Run δ

US-09-659-791A-31
US-09-659-791A-32
US-09-659-791A-32
US-09-659-791A-34
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US-09-659-791A-41
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US-09-659-791A-45
US-09-659-791A-47
US-09-659-791A-61
US-08-390-866-100A-8666
US-08-435-641-67
US-08-435-610BA-8665
US-09-665-10BA-8665
US-09-665-10BA-8665 747, App 747, App 748, App 748, App 748, App 748, App 5, Applia 31760, A 31760, A 31760, A 2421, Appli 2421, Appli 2421, Applia 2423, Ap Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. us-10-828-394-1 1643 1 gaattccgccgctgaccgag......taaaactgtcttgtgagctg 1643 5; Search time 4 Seconds (without alignments)
2.954 Million cell updates/sec 2222, 222, 328, 328, 328, Description Sequence Seq 396 5.1.6 Compugen Ltd. US-08-859-998-747
US-09-225-928-747
US-09-225-928-748
US-09-225-928-748
US-08-825-938-748
US-09-225-2018-748
US-09-225-2018-748
US-09-659-791A-5
US-09-459-791A-6
US-09-459-791A-6
US-09-657-472-2421
US-09-657-472-2422
US-09-657-772-2422
US-09-657-712-2422
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US-09-659-791A-18
US-09-659-791A-18
US-09-659-791A-19
US-09-659-791A-21
US-09-659-791A-21
US-09-659-791A-22
US-09-659-791A-27
US-09-659-791A-27
US-09-659-791A-27
US-09-659-791A-27
US-09-659-791A-27 of hits satisfying chosen parameters: SUMMARIES GenCore version Copyright (c) 1993 - 2005 September 13, 2005, 10:44:45 Post-processing: Minimum Match 0% Maximum Match 100% Listing first 198 summaries nucleic search, using sw model IDENTITY_NUC Gapop 10.0 , Gapext 0.5 198 segs, 3596 residues Length length: 8 length: 50 rnidb:* * Query Match Minimum DB seq Maximum DB seq Title: Perfect score: Scoring table: Score Total number • nucleic Database : Sequence: Searched: 6 Result No. 33310987325710987337109874337109874337109874337109874337

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Sequence 31, Appl Sequence 32, Appl Sequence 34, Appl Sequence 34, Appl Sequence 36, Appl Sequence 37, Appl Sequence 37, Appl Sequence 39, Appl Sequence 41, Appl Sequence 41, Appl Sequence 41, Appl Sequence 51, Appl Sequence 51,

Sequence 423, App Sequence 521, App Sequence 528, App Sequence 529, App Sequence 531, App Sequence 30, App Sequence 421, App Sequence 422, Appl Sequence 423, Appl Sequence 326, Appl Sequence 326, Appl Sequence 808, Appl Sequence 111, Appl	ath 26,
1 US-08-182-968A-423 1 US-08-363-240A-237 1 US-08-363-240A-528 1 US-08-363-240A-529 1 US-08-363-240A-724 1 US-08-311-486C-533 1 US-08-311-486C-687 1 US-08-474-306A-2 1 US-08-774-306A-2 1 US-08-774-306A-422 1 US-09-064-156A-422 1 US-09-064-156A-422 1 US-09-064-156A-422 1 US-09-064-126A-422 1 US-09-064-156A-422 1 US-09-064-126A-422 1 US-09-064-126A-422 1 US-09-064-126A-422 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326 1 US-09-081-646-326	ALIGNMENTS 1-859-998-747 1-859-998-747 1-859-998-747 SWEAL INFORMATION: APPLICANT: Chenchik, Alex APPLICANT: Bibilashvill, Robert TITLE OF INVENTION: EXPRESSION WUMBER OF SEQUENCES: 1375 CORRESPONDENCE ADDRESSS: ADDRESSEE: Fish & Richardson, P.C. STREET: 2200 Sand Hill Road, Suite 100 CITY: Menlo Park STRATE: CA COUNTRY: US CONTRY: US CONTRY: US CONTRY: US CONTRY: US CONTRY: Batscof for Windows Version 2.0 CONTRES: Expect of Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US/08/859,998 FILING DATE: 1-MAY-1997 CLASSIFTCATION: 435 PRILING DATE: NUMBER: 37,620 REFERENCE/DOCKET NUMBER: 37,620 REFERENCE/DOCKET NUMBER: 09096/002001 TELECOMMUNICATION NUMBER: 09096/002001 TELECOMUNICATION NUMBER: 09096/002001 TELECOMUNICATION NUMBER: 09096/002001 TELECOMUNICATI
12.4 0.8 15 12.4 0.8 15	SULT 1 -08-859-988-747 Sequence 747, Application US/0865999 Patent No. 5994076 GENERAL INFORMATION: APPLICANT: Chenchik, Alex APPLICANT: Chenchik, Alex APPLICANT: Chenchik, Alex APPLICANT: Bibilashvilli, Robert TITLE OF INVENTION: EXPRESSION NUMBER OF SEQUENCES: 1375 CORRESPONDENCE ADDRESS: ADDRESSEE: Fish & Richardson, STREET: 2200 Sand Hill Road, STATE: CA ADDRESSE: COMPUTER: US ZIP: 94025 COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: LIM Compatible OPERATING SYSTEM: Windows95 SOFTWARE: FastSEQ for Windows CURRENT APPLICATION DATA: APPLICATION NUMBER: 137,620 REPERCATION NUMBER: 37,620 REPERENCE/DOCKET NUMBER: 37,620 REPERENCE/DOCKET NUMBER: 37,620 REFERENCE/DOCKET NUMBER: 37,620 RESPONDENCE COMPONDENCE SOUTH NUMBER: 37,620 RESPONDENCE COMPONDENCE SOUTH NUMBER: 37,620 RESPONDENCE COMPONDENCE SOUTH NUMBER:
C 180 181 182 183 184 184 187 197 197 198 198 199 199 198	RESULT Sequence of Sequence of Security of
Sequence 10037, A Sequence 10038, A Sequence 797, App Sequence 25, App Sequence 27, App Sequence 21, App Sequence 21, App Sequence 24, App Sequence 25, App Sequence 7759, App Sequence 25, App S	Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 27, Appl Sequence 217, Appl Sequence 2183, Ap Sequence 1855, Ap Sequence 1855, Ap Sequence 2755, Appl Sequence 8660, Ap Sequence 8661, Ap Sequence 8661, Ap Sequence 8661, Ap Sequence 8661, Ap Sequence 944, Appl Sequence 944, Appl Sequence 151, Appl Sequence 151, Appl Sequence 151, Appl Sequence 75, Appl Sequence 75, Appl Sequence 67, Appl Sequence 17, Appl Sequence 17, Appl Sequence 23, Appl Sequence 23, Appl Sequence 23, Appl Sequence 23, Appl Sequence 24, Appl Sequence 25, Appl Sequence 25, Appl Sequence 27, Appl Sequ
18-09-866-108A-10037 18-09-866-108A-10038 18-08-117-952-797 18-08-117-952-797 18-08-99-455B-25 18-08-44-700B-21 18-08-44-700B-21 18-08-474-700B-21 18-09-069-781B-25 18-09-069-781B-25 18-09-069-781B-25 18-09-069-781B-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25 18-09-137-132-25	US-08-708-123D-27 US-08-583-153A-25 US-08-583-153A-25 US-08-638-524B-27 US-09-371-772B-4182 US-09-371-772B-4182 US-09-866-108A-1855 US-09-866-108A-865 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-8661 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-866-108A-9689 US-09-986-108A-9689 US-09-031-11-10 US-09-077-119Z-68 US-09-077-119Z-68 US-09-077-119Z-68 US-09-077-119Z-68 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118B-67 US-09-077-118Z-68 US-09-073-972C-875 US-09-073-972C-875 US-09-073-972C-875 US-09-073-972C-875 US-08-18Z-968A-422
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Fatent No. 5994076
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Chenchik, Alex
APPLICANT: Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
Bibilashvilli, Robert
IVENTION: METHOD OF ASSAYING DIFFERENTIAL
                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: IBM Compatible
COMBUTER: IBM Compatible
SOFTWARE: FSESED for Windows95
SOFTWARE: FSESED for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/25,201B
FILING DATE: 05-Jan-1999
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 09096/002001
TELEFRANCE/DOCKET NUMBER: 09096/002001
TELEFRENCE/DOCKET NUMBER: 09096/002001
TELEFRANCE/DOCKET NUMBER: 09096/002001
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                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.6%; Score 26; DB 1;
100.0%; Pred. No. 2.3;
tive 0; Mismatches
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                              TITLE OF INVENTION: METHOD OF A
                                                                                                                                                                                                                                                                                              ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 26 base pairs
                                                                                          NUMBER OF SEQUENCES: 1375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: DNA
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MEDIUM TYPE: Diskette
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OPERATING SYSTEM: Win
                                                                                                                                                                                                                                                                   COUNTRY: US
                                                                                                                                                                                                                                        STATE: CA
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                                                                                                                                                                                                                                           RESULT 2
US-09-25-928-747
US-09-225-928-747
; Sequence 747, Application US/09225928
; Patent No. 6352829
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Chenchik, Alex
; Bibilashvilli, Robert
; TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM Compatible
COMPUTER: FASTEM: Windows95
SOFTWARE: FASTEM: Windows95
SOFTWARE: FASTEM: Windows95
SOFTWARE: FASTEM: Windows95
CURSON APPLICATION DATA:
PRIOR DATE: OS-Jan-1999
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REGISTRATION NUMBER: 37,620
TELECOMPUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: oligonucleotide primer; SEQUENCE DESCRIPTION: SEQ ID NO: 747: US-09-225-928-747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
         Best Local Similarity 100.0%; Pred. No. 2.3; Matches 26; Conservative 0; Mismatches
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                                                                                             934 TGCGGATGAAGGACCAGTGTGACAAG 959
                                                                                                                              1 TGCGGATGAAGGACCAGTGTGACAAG 26
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US-09-225-201B-747
; Sequence 747, Application US/09225201B
; Patent No. 6489455
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
j APPLICANT: Chenchik, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: 415-322-5070
TELEPAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 747:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
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ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA FEATURE:
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                                                                                                                                                                                       Length 25;
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US-09-25-201B-748, Application US/09225201B
Sequence 748, Application US/09225201B
Sequence 748, Application US/09225201B
Sequence 748, Application:
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Chenchik, Alex
Bibilashvilli, Robert
Bibilashvilli, Robert
TITLE OF INVENTION: METHOD OF ASSAVING DIFFERENTIAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE DESCRIPTION: Oligonucleotide primer ; US-09-225-2018-748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READMBLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
                                                                                                 ) SEQUENCE DESCRIPTION: Oligonucleotide primer; SEQUENCE DESCRIPTION: SEQ ID NO: 748:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.5%; Score 25; DB 1;
100.0%; Pred. No. 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,201B
FILING DATE: 05-Jan-1-999
CLASSIPICATION ADAR:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGRNT INFORMATION:
NAME: Field, Bret E.
REGISTRATION UNMBER: 37,620
REFERENCE/DOCKET NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09096/002001
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100.0%; Pred. No. ...
0; Mismatches
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           LENGTH: 25 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 748:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.0ery Match
Best Local Similarity 100.
Matches 25; Conservative
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Best Local Similarity 100.v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Menlo Park
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ns
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Sequence 748, Application US/09225928
GENERAL INPORMATION:
GENERAL INPORMATION:
Jokhadze, George
Bibliashvilli, Robert
TITLE OF INVENTION: EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:

REDION TYPE: Diskette

COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastERG for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: OB-Jan-1999
CLASSIFICATION: <UNncomp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY AGENT 108/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
MAME: Field, Bet E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEFAX: 415-322-5070
TELEFAX: 415-884-0875
INFORMATION FOR SEQ ID NO: 748:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1;
           SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: oligonucleotide primer
US-08-859-998-748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.5%; Score 25; DB
100.0%; Pred. No. 3;
:ive 0; Mismatches
                                                                                  1190 GTACTATCTGCGGGTCACCACGGTG 1214
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Menlo Park
STATE: CA
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: 11:
MOLECULE TYPE:
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US-09-225-928-748/c
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Gaps

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APPLICANT: Strauss III, Jerome F.
TITLE OF INVENTION: IDENTIFICATION OF GENE MUTATIONS
TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENAL HYPERPLASIA
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
STREET: 5 Palo Alto Square
CITY: Palo Alto
STATE: 00 Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence (3.4 Application US/09659791A)

Patent No. 634808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: 2000

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 6

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 9.2; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 21;
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                                                                                                                                                                                                     STATE: CACUMINE: CACUMINE: CACUMINE: CACUMINE: CACUMINE: CACUMINE: CACUMINE: CACUMINE: PLOSDY disk MEDIUM TYPE: PLOSDY disk COMPUTER: PLOSDY disk COMPUTER: IBM PC COMPATIDLE
OMPRATING SYSTEM: PC-DOS/NS-DOS SOFTWARE: PATENTIN RC-BOS/NS-DOS SOFTWARE: PATENTIN RC-BOS/NS-DOS SOFTWARE: PATENTIN RAPELICATION DATA: APPLICATION NUMBER: US/08/410.540
FILING DATE: 23-MAR-1995
CLASSIFICATION: 435
ATTONINY/AGENT INPORMATION:
NAME: NOCKET NUMBER: 30,092
REGISTRATION NUMBER: 30,092
RELEFANCE/POCKET NUMBER: 30,092
TELEX: 415 853 5070
TELEFAN: 415 853 0063
TELEX: 380816COOLEYPA
INPORMATION FOR SEQ ID NO: 21: SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: TOWNING SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.3%; Score 21; DB 1; Best Local Similarity 100.0%; Pred. No. 9.2; Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1354 AGAAAGCGCTGCAGGAATACC 1374
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: PCR Probe US-09-659-791A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-659-791A-6
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                                                                                                                                                              Sequence 5, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 5
LENGTH: 23
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US-09-396-196G-31760
is Goquence 31760, Application US/09396196G
is Goquence 31760, Application US/09396196G
is Patent No. 6821724
is GENERAL INFORMATION:
is APPLICANT: Michael Mittmann
APPLICANT: David Mack
is APPLICANT: David Mack
is APPLICANT: Affymetrix, Inc.
is TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
is CURRENT APPLICATION NUMBER: US/09/396,196G
is CURRENT FILING DATE: 1999-09-15
is PRIOR FILING DATE: 1999-09-17
is NUMBER OF SEQ ID NOS: 127806
is SOFTWARE: FastSEQ for Windows Version 4.0
is LENGTH. 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.3%; Score 21.8; EBst Local Similarity 92.0%; Pred. No. 10; Matches 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1270 AGCTCTTTGACTCTGATCCCATCAC 1294
       1190 GTACTATCTGCGGGTCACCACGGTG 1214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 AGCTGTTTGACTCTGACCCCATCAC 25
                                25 GTACTATCTGCGGGTCACCACGGTG 1
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18-08-410-540-21
Sequence 21, Application US/08410540
Patent No. 5807678
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APPLICANT: Miller, Walter L.
APPLICANT: Lin, Dong
                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: PCR Primer US-09-659-791A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
CORGANISM: Mus musculus
US-09-396-196G-31760
                                                                                                                                               US-09-659-791A-5/c
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RESULT 11
US.09-459-149D-14
US.09-459-149D-14
US.09-459-149D-14
Sequence 14, Application US/09459749D
Sequence 14, Application US/09459749D
GENERAL INFORMATION:
TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration
FILE REFREENCE: 0794.016A
CURRENT APPLICATION NUMBER: US/09/459,749D
CURRENT PILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 60/111,856
PRIOR APPLICATION NUMBER: 60/111,856
PRIOR FILING DATE: 1998-12-11
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence:primer bind CTHER INFORMATION: synthetic sense primer based on porcine clusterin US-09-459-749D-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2421, Application US/09657472
; Sequence 2421, Application US/09657472
; Patent No. 6727063
; GENERAL INFORMATION:
APPLICANT: Lander, Eric S.
APPLICANT: Caragill, Michele
APPLICANT: Treland, James S.
APPLICANT: Daley, George Q.
APPLICANT: Daley, George Q.
APPLICANT: Daley, George Q.
APPLICANT: Daley, George Q.
TILLE REFERENCE: 2825.1027-001
FILE REFERENCE: 2825.1027-001
FILE REFERENCE: 2825.1027-001
FILING DATE: 1099-09-10
PRIOR FILING DATE: 2000-09-07
PRIOR FILING DATE: 2000-09-07
PRIOR PAPLICATION NUMBER: US 60/153,357
PRIOR PLICATION NUMBER: US 60/220,947
PRIOR PLICATION NUMBER: US 60/225,724
PRIOR PLICATION NUMBER: US 60/225,724
PRIOR FILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 2551
SEQ ID NO 2421
LENGTH: 21
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1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 11;
Matches 20; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 9.2; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
US-09-657-472-2421
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us-09-657-472-2423

is Sequence 2423, Application Us/09657472

is Patent No. 6727063

is GENERAL INFORMATION:

APPLICANT: Lander, Eric S.

APPLICANT: Lander, Eric S.

APPLICANT: Lander, Eric S.

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, Stacey

APPLICANT: Bolk, Stacey

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES

TITLE OF INVENTION SINGLE NUCLEOTIDE

CURRENT APPLICATION NUMBER: US 60/153,357

PRIOR FILING DATE: 1999-09-10

PRIOR FILING DATE: 2000-09-07

PRIOR FILING DATE: 2000-07-26

PRIOR FILING DATE: 2000-07-26

PRIOR FILING DATE: 2000-07-26

PRIOR SEQ ID NOS: 2551

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 2423
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Sequence 2422, Application US/09657472
; Sequence 2422, Application US/09657472
; Patent No. 6727063;
; Patent No. 6727063;
; Patent No. 6727063;
; APPLICANT: Lander, Eric S.
; APPLICANT: Treland, James S.
; APPLICANT: Bolk, Stacey
; APPLICANT: Bolk, Stacey
; APPLICANT: McCarthy, Jeanette J.
; TILLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
; TILLE REFERENCE: 2825:1027-001
; FILLE REFERENCE: 2825:1027-001
; FILLE REFERENCE: 2825:1027-001
; FILLE REFERENCE: 2000-09-07
; FRICR FILLING DATE: 2000-09-07
; PRIOR FILLING DATE: 2000-09-10
; PRIOR FILLING DATE: 2000-09-10
; PRIOR FILLING DATE: 2000-09-16
; PRIOR FILLING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2551
; SOFTWARE: FastSEQ for Windows Version 4.0
; LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
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Best Local Similarity 95.23
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
US-09-657-472-2423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-657-472-2422
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Query Match
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                                                                      RESULT 15
US-09-657-472-2424
; Sequence 2424, Application US/09657472
; Patent No. 6727063
; GENERAL INFORMATION:
; APPLICANT: Lander, Eric S.
; APPLICANT: Cargill, Michele
; APPLICANT: Targill, Michele
; APPLICANT: Targill, Michele
; APPLICANT: Daley, George O.
; APPLICANT: Daley, George O.
; APPLICANT: Mcarthy, Jeanette J.
; TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
; TITLE OF INVENTION: SINGLE NUCLEOTIDE
; FRICA FILING DATE: 1200-09-07-10
; PRIOR FILING DATE: 1200-09-07-10
; PRIOR FILING DATE: 2000-07-26
; PRIOR FILING DATE: 2000-07-26
; RIOR APPLICATION NUMBER: US 60/225,724
; PRIOR FILING DATE: 2000-09-16
; NUMBER OF SEQ ID NOS: 2551
; SOFTWARE: PSELSEQ for Windows Version 4.0
; SEQ ID NO 2424
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; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: David Lockhart
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.;
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; CURRENT FILING DATE: 1999-09-15
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEC ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 31758
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Best Local Similarity 88.0%; Pred. No. 18;
Matches 22; Conservative 0; Mismatches
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1 CTCACGCAAGSCGAAGACCAG 21
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ORGANISM: Homo sapiens
US-09-657-472-2424
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CORGANISM: Mus musculus
US-09-396-196G-31758
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US-09-396-196G-31758
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; Sequence 16, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Breat P. Monia
; APPLICANT: Breat P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RYS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 16
; LENGTH: 20
RESULT 17
US-09-659-791A-14/C

Sequence 14, Application US/09659791A

Sequence 14, Application US/09659791A

SEQUENCE 14, Application US/09659791A

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPRESENT

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 14

LENGTH: 20
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Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 15
LENGTH: 20
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-14
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ORGANISM: Artificial Sequence
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US-09-659-791A-15/c
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TYPE: DNA
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Sequence 18, Application US/09659791A

Sequence 18, Application US/09659791A

Petent No. 6383808

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 18

LENGTH: 20
                                                                                                                                                                                                                                                                          US-09-659-791A-17/C

US-09-659-791A-17/C

Sequence 17, Application US/09659791A

Sequence 17, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 17

LENGTH: 20
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Pred. No. 12;
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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                          FEATURE:
COTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-16
                                                                                                      Query Match
1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
TYPE: DNA
ORGANISM: Artificial Sequence
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y Sequence 21, Application US/09659791A

y Sequence 21, Application US/09659791A

y Patent No. 6383808

y GENERAL INFORMATION:

APPLICANT: Brett P. Monia

y APPLICANT: Brett P. Monia

y TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION NUMBER: US/09/659,791A

y CURRENT FILING DATE: 2000-09-11

y NUMBER OF SEQ ID NOS: 90

y SEQ ID NO 21

ILENGIN: AND ADDITION OF CLUSTERIN EXPRESSION

y SEQ ID NO 21

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y SEQ ID NO 21
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US-09-659-791A-20/c

Sequence 20, Application US/09659791A

Sequence 20, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 20

LENGTH: 20
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Sequence 19, Application US/09659791A

Sequence 19, Application US/09659791A

Sequence 10, 633808

GENERAL INFORMATION:

APPLICANT: Breter P. Monia

APPLICANT: Breter P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPERENCE: RTS-0156

CURRENT APPLICATION WHORE: US/09/659,791A

CURRENT APPLICATION WHORE: US/09/659,791A

SEQ ID NO 19

SEQ ID NO 19

LENGTH: 20
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
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TYPE: DNA
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US-09-659-791A-23/c

Sequence 23, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFRENCE: RTS-0156

CURRENT APLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 23

LENGTH: 20
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US-09-659-791A-22/C
; Sequence 22, Application US/09659791A
; Patent No. 638380B
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPRENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 2.2
; LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                   Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
                      FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-22
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US-09-659-791A-23
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ORGANISM: Artificial Sequence
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RESULT 27

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Gaps
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US-09-659-791A-25/C

Sequence 25, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT PILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 25
LENGTH: 20
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US-09-659-791A-26/C

Sequence 26, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier
FILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE OF INVENTION: ANTISENSE WOULATION OF CLUSTERIN EXPRESSION
FILE OF INVENTION: ANTISENSE: US/09/659, 791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 26

LENGTH: 20
Sequence 24. Application US/09659791A

Patent No. 638808
GENERAL INFORMATION:
APPLICANT: Brete P. Monia
APPLICANT: Brete P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPRENCE: RTS-0156
CURRENT APPLICATION WHORER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
. LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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12;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-24
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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US-09-659-791A-27/C
; Sequence 27, Application US/09659791A
; Sequence 27, Application US/09659791A
; Retent No. 638308
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION UNMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 27
; LENGTH: 20
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APPLICANT: Brett D. MONISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 28
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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Local Similarity 100.0%; Pred. No. 12;
tes 20; Conservative 0; Mismatches
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tive 0; Mismatches
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-27
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-26
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; Sequence 28, Application US/09659791A
; Patent No. 6383808
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ORGANISM: Artificial Sequence
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Matches 20; Conserv
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Best Local S
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RESULT 32 US-09-659-791A-29/C

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US-09-659-791A-31/C

Sequence 31, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE:

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 31

LENGTH: 20
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE REPERRNCT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 30
LENGTH: 20
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Sequence 29, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Reserved TITLE OP INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OP INVENTION: ANTISENSE WS/09/659,791A
CURRENT APPLICATION UNMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 29
LENGTH: 20
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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100.0%; Pred. No. 12;
:ive 0; Mismatches
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ORGANISM: Artificial Sequence
FEATURE:
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FEATURE:
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Sequence 32, Application US/09659791A

Sequence 32, Application US/09659791A

Patcht No. 638380B

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 32

LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: TS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NOS: 90

SEQ ID NO 33

LENGTH: 20
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                                                                    Length 20;
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                                                                    Query Match 1.2%; Score 20; DB 1; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-33
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US-09-659-791A-34/c
; Sequence 34, Application US/09659791A
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US-09-659-791A-13/c
'Sequence 33, Application US/09659791A
'Patent No. 6383808
                                                                                                                                                           407 CTGCATGAAGTTCTACGCAC 426
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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| Sequence 35, Application US/09659791A
| Sequence 35, Application US/09659791A
| Patent No. 6383808
| GENERAL INFORMATION:
| APPLICANT: Brett P. Monia
| APPLICANT: Brett P. Monia
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFERENCE: RTS-0156
| CURRENT APPLICATION: ON NUMBER: US/09/659,791A
| CURRENT FILING DATE: 2000-09-11
| MUMBER OF SEQ ID NOS: 90
| SEQ ID NO 35
| LENGTH: 20
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Patent No. 6383808

APPLICANT: Brett Nonia

APPLICANT: Bush No. 8NO 156

CURRENT APPLICATION UNDRER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 36

LENGTH: 20
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERRACE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 34
LENGTH: 20
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                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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US-09-659-791A-36/c
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US-09-659-791A-40
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US-09-659-791A-38/C

i Sequence 38, Application US/09659791A

; Sequence 38, Application US/09659791A

; Patent No. 638308

; GENERAL INFORMATION:
    APPLICANT: Breth P. Monia
    APPLICANT: Sucan M. Freier

; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

; FILE REFERENCE: RTS-0156

; CURRENT APPLICATION NUMBER: US/09/659,791A

; CURRENT FILING DATE: 2000-09-11

; NUMBER OF SEQ ID NOS: 90

; SEQ ID NO 38

; LENGTH: 20
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US-09-659-791A-37/C
US-09-659-791A-37/C
Sequence 37, Application US/09659791A
Sequence 37, Application US/09659791A
Patent No. 6383008
GENERAL INFORMATION:
APPLICANT: State P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 37
LENGTH: 20
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                            1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 12;
ive 0; Mismatches 0; Indels
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US-09-659-791A-37
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US-09-659-791A-39/c
; Sequence 39, Application US/09659791A
; Patent No. 6383808
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ORGANISM: Artificial Sequence
                                         1.2%
Dest Local Similarity 100.0
Matches 20; Conservative
US-09-659-791A-36
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US-09-659-791A-41/C
Sequence 41, Application US/09659791A
Sequence 41, Application US/09659791A
Sequence 41, Application US/09659791A
GENERAL INFORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Breat P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REFERENCE: RF2-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 41
LENGTH: 20
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US-09-659-791A-40/c

Sequence 40, Application US/09659791A

Sequence 40, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Breat P. Monia

TITLE DE INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE: US/09/659,791A

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 40

LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 39
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 12;
tive 0; Mismatches
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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Query Match
Best Local Similarity 100.0
Matches 20; Conservative
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US-09-659-791A-42/c

Sequence 42, Application US/09659791A

Sequence 42, Application US/09659791A

Patent No. 6181808

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 42

LENGTH: 20
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; Sequence 43, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTIEENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION NUMBER: US/09/659,791A
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 43
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100.0%; Pred. No. 12;
tive 0; Mismatches 0; Indels
DB 1; Length 20;
12;
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                                             0; Indels
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Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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US-09-659-791A-44/c
US-09-659-791A-44/c
; Sequence 44, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
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                                                                                     565 TGGATGTCATGCAGGACCAC 584
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Matches 20; Conservative
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US-00-659-791A-45/c
Sequence 45, Application US/09659791A
Sequence 45, Application US/09659791A
Sequence 45, Application US/09659791A
GENERAL INFORMATION:
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NOS: 90
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Patent No. 638808
GENERAL INFORMATION:
APPLICANT: Breter P. Monia
APPLICANT: Breter P. Monia
APPLICANT: Breter P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION UNMERS: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
SEQ ID NO 46
LENGTH: 20
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION WUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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100.0%; Pred. No. 12;
live 0; Mismatches
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ORGANISM: Artificial Sequence
FEATURE:
) CTHER INCRAATION: Antisense Oligonucleotide
US-09-659-791A-46
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COTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-45
                                                                                                                                                                                                                                                                      , OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-44
                                                                                                                                                                                                                                                                                                                                                                                                                                               608 AGACGAGCTCTTCCAGGACA 627
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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US-09-659-791A-46/c
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Length 20; 0; Indels

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NESCUL 34-59-791A-51/c

| Sequence 51, Application US/09659791A
| GENERAL INFORMATION:
| APPLICANT: Brett P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPRENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/09/659,791A
| CURRENT FILING DATE: 2000-09-11
| NUMBER OF SEQ ID NOS: 90
| SEQ ID NO 51
| LENGTH: 20
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Squence 50. Application US/09659791A
Patent No. 6303808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: STELL P. MONIA
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
FURBENT APPLICATION VUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
TITLE OF INVERTINE SUSTEMENT OF CLUSTERIN EXPRESSION OF TITLE OF INVERTINE ANTISENSE MODULATION OF CLUSTERIN EXPRESSION OF TITLE OF TOTAL STATE OF 
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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CTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-49
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US-09-659-791A-50/c
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US-09-659-791A-48/C
US-09-659-791A-48/C
Sequence 48, Application US/09659791A
Sequence 48, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 48
LENGTH: 20
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US-09-659-791A-47/C
US-09-659-791A-47/C
Sequence 47, Application US/09659791A
Sequence 47, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Stuan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE WOOULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 47
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 12;
tive 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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, OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-47
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Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
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US-09-659-791A-49/C
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### Sequence 52, Application US/09659791A

### PPLICANT: Brett P. Monia

### APPLICANT: Brett P. Monia

### APPLICANT
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US-09-659-791A-53/C
US-09-659-791A-53/C
Sequence 53, Application US/09659791A
Sequence 53, Application US/09659791A
Patent No. 638308
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: SUBBAN M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 53
LENGTH: 20
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                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-52
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US-09-659-791A-53
No. 12;
Best Local Similarity 100.0%; Pred. No. 12. Matches 20; Conservative 0; Mismatches
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US-09-659-791A-54/c
; Sequence 54, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    853 ACCCGCCAACAGAATTCATA 872
                                                                                                                       820 TGGACATCCACTTCCACAGC 839
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US-09-659-791A-55/C

### Sequence 55, Application US/09659791A

### Sequence 55, Application US/09659791A

### Sequence 55, Application US/09659791A

### Secuence 56, Application US/09659791A

### Secuence 56, Application US/09659791A

### APPLICANT: Brett P. Monia

### APPLICANT: Sugan M. Freier

### TILLE REFERENCE: RTS-0156

### CURRENT APPLICATION NUMBER: US/09/659, 791A

### CURRENT FILING DATE: 2000-09-11

### MUMBER OF SEQ ID NOS: 90

### SEQ ID NO 55

### LENGTH: 20

### MUMBER OF SEQ ID NOS: 90

### MUMBER OF SEQ ID NOS: 90

### MUMBER OF SEQ ID NOS: 90

### MUMBER OF SEQ ID NOS: 90
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US-09-659-791A-56/c
; Sequence 56, Application US/09659791A
; Sequence 56, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Breat P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT PAPLICATION NUMBER: US/09/659,791A
; CURRENT PILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 54
LENGTH: 20
TYPE: DNA
CORDANISM: Artificial Sequence
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100.0%; Pred. No. 12;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                       , OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-54
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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LENGTH: 20
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US-09-659-791A-60/C

US-09-659-791A-60/C

Sequence 60, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
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Sequence (1, Application US/09659791A)

GENERAL INFORMATION:

APPLICANT: Brete P. Monia

APPLICANT: Brete P. Monia

APPLICANT: Susan M. Freier

ITILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REPRESENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 61

LENGTH: 20

LENGTH: 20
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100.0%; Pred. No. 12;
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100.0%; Pred. No. 12;
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, OTHER INFORMATION: Antisense Oligonucleotide
US-0659-791A-61
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US-09-659-791A-60
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                  CTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-59
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 59
LENGTH: 20
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ORGANISM: Artificial Sequence
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                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity
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US-09-659-791A-61/c
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US-09-659-791A-58/C
US-09-659-791A-58/C
Sequence 58, Application US/09659791A
Patent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 58
LENGTH: 20
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| Sequence 59, Application US/09659791A
| Sequence 59, Application US/09659791A
| Patent No. 6383808
| GENERAL INFORMATION:
| APPLICANT: Breter P. Monia | APPLICANT: Susan M. Freier | TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION | TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 57
LENGTH: 20
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tive 0; Mismatches (
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                       0; Mismatches
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US-09-659-791A-57/c
Sequence 57, Application US/09659791A
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ORGANISM: Artificial Sequence
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CURRENT APPLICATION NUMBER: US/09/659,791A CURRENT FILING DATE: 2000-09-11 NUMBER OF SEQ ID NOS: 90 SEQ ID NO 64 LENGTH: 20
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                                                                                                                   FEATURE:
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; Sequence 62, Application US/09659791A
; Patent No. 6383808
; GRNERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVATION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 62
; LENGTH: 20
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US-09-659-791A-64/C
; Sequence 64, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Breet P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION:
; FILE REFERENCE: RTS-0156
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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ilarity 100.0%; Pred. No. 12;
Conservative 0; Mismatches (
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US-09-659-791A-63
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US-09-659-791A-62
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                        1083 AAGTCCTACCAGTGGAAGAT 1102
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 20; Conserva
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LENGTH: 20
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US-09-659-791A-65/C

Sequence 65, Application US/09659791A

Patent No. 6183808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier

APPLICANT: Susan M. Freier

TILE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 65

LENGTH: 20
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US-09-659-791A-66/C

Sequence 66, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659, 791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 66

LENGTH: 20
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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                                                       , OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-64
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
FEATURE:
TYPE: DNA ORGANISM: Artificial Sequence
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CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 69
LENGTH: 20
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US-09-659-791A-68/C

Sequence 68, Application US/09659791A

Sequence 68, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENT PRIOR TOWNER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 68

LENGTH: 20
                                                                                                                                RESULT 70
US-09-659-791A-67/C
Sequence 67, Application US/09659791A
Sequence 67, Application US/09659791A
Pateent No. 6383808
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 67
LENGTH: 20
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; Sequence 69, Application US/09659791A
; Sequence 69, Application US/09659791A
; Patent No. 6383808
; General INFORMATION:
; APPLICANT: Breatt P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-67
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                      1182 GAAGACCAGTACTATCTGCG 1201
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                                             20 GAAGACCAGTACTATCTGCG 1
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ORGANISM: Artificial Sequence
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US-09-659-791A-71/C

Sequence 71, Application US/09659791A

Sequence 71, Application US/09659791A

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE WOOVLATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION NUMBER: US/09/659,791A

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 71

LENGTH: 20
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US-09-659-791A-70/C

Sequence 70, Application US/09659791A

Patent No. 6383808

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT PILING DATE: 2000-09-11

NUMBER OF SEQ ID NOS: 90

LENGTH: 20
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                                                                                                                 Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches (
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12;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION; Antisense Oligonucleotide US-09-659-791A-70
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1.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-09-659-791A-69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1332 AAATTTATGGAGACCGTGGC 1351
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
TYPE: DNA ORGANISM: Artificial Sequence
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NUMBER OF SEQ ID NOS:
SEQ ID NO 74
LENGTH: 20
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                                                                                         RESULT 75
US-09-659-791A-72/C

; Sequence 72, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT PILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 7.2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-659-791A-73/c
; Sequence 73, Application US/09659791A
; Patent No. 6393808
; Patent No. 6393808
; GRNERAL INFORMATION:
; APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 73
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-09-659-791A-74/C

Sequence 74, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:
APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE FEFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-72
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ORGANISM: Artificial Sequence
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Sequence 78, Application US/09659791A

Patent No. 6183808

GENERAL INFORMATION:
APPLICANT: Busan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-01.6
CURRENT APPLICATION NUMBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 78
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/09/659,791A
CURRENT FILING DATE: 2000-09-11
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
1 OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonuclectide US-09-659-791A-78
                                                                                                                              DB
12;
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                                                                                                                              Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 12; Matches 20; Conservative 0; Mismatches
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US-09-659-791A-75/c
US-09-659-791A-75/c
, Sequence 75, Application US/09659791A
, Patent No. 6383808
, GENERAL INFORMATION:
                                                                                                                                                                                                                   1600 TGCTCCTGCATGCAACTAAT 1619
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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TGGACTGTTCCACCAACAAC

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US-09-459-749D-13
US-09-459-749D-13

j Sequence 13, Application US/09459749D

j Patent No. 64649705;
Patent No. 64649705;
Typus OF INVENTION: Compositions and Methods For Altering Cell Migration

j TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration

FILE REFERENCE: 0794.016A

CURRENT APPLICATION NUMBER: US/09/459,749D

CURRENT APPLICATION NUMBER: 099-12-10

PRIOR FILING DATE: 1999-12-11

NUMBER: OF SEQ ID NOS: 17

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 13

LENGTH: 21
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NGS-09-69-791A-80/C

Sequence 80, Application US/09659791A

Sequence 80, Application US/09659791A

Patent No. 6383808

GENERAL INFORMATION:

APPLICANT: Breter P. Monia

APPLICANT: Breter F. Monia

APPLICANT: Breter F. Monia

APPLICANT: Breter F. Monia

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

TITLE OF INVENTION: TOWNER: US/09/659,791A

CURRENT APPLICATION UNBER: US/09/659,791A

CURRENT FILING DATE: 2000-09-11

SEQ ID NO 80

LENGTH: 20
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Best Local Similarity 95.2%; Pred. No. 17;
Matches 20; Conservative 0; Mismatches 1; Indels
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Sequence 10, Application US/08855449
Sequence 10, Application US/08855449
Sequence 10, Application US/08855479
SENERAL INFORMATION:
APPLICANT: ARAMATSU, TOYOKAZU
APPLICANT: SULVENTION: METHOD FOR IDENTIFYING THE SEX OF TITLE OF INVENTION: SPINACH BY DNA MARKERS
TITLE OF INVENTION: SPINACH BY DNA MARKERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.2%; Score 20; DB 1;
100.0%; Pred. No. 12;
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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Sequence 22, Application US/08410540
| Sequence 22, Application US/08410540
| Patent No. 5807678
| GENERAL INFORMATION:
| APPLICANT: Miller, Walter L. APPLICANT: Lin, Dong
| APPLICANT: Lin, Dong ASPLICANT: Lin, Dong TITLE OF INVENTION: IDENTIFICATION OF GENE MUTATIONS
| TITLE OF INVENTION: IDENTIFICATION OF GENE MUTATIONS TITLE OF INVENTION: ASSOCIATED WITH CONGENITAL LIPOID ADRENSIS: 30
| CORRESPONDENCE ADDRESS: 30
| 
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NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
CITY: ARLINGTON
STATE: VA
COUNTRY: UA
ZIP: 22202
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MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/855,449
FILING DATE: 13-MAY-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/855,449
FILING DATE: 14-MAY-1996
ATYCNEY/AGENT INFORMATION:
NAME: OBLON, NORMAR: 24,618
REGISTATION NUMBER: 24,618
REGISTATION NUMBER: 24,618
REGISTATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 7828-0003-0
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7
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1.1%; Score 18.8; E
Best Local Similarity 90.9%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches
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SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "SYNTHETIC DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           865 AATTCATACGAGAAGGCGACGA 886
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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US-08-397-220B-43
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US-08-37-220B-43/C
US-08-397-220B-43/C
; Sequence 43, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; TITLE OF INVENTION:
Of Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence '4. Application US/09659791A
; Sequence No. 638308
; GENERAL INFORMATION:
; APPLICANT: Breet P. Monia
; APPLICANT: Breet P. Monia
; TITLE OF INVERTION:
; TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVERTION: NUMBER: US/09/659,791A
; CURRENT APLICATION NUMBER: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 4
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Jane Massey Licata, Esq.
STREET: 210 Lake Drive East, Suite 201
CITY: Cherry Hill
STATE: NJ
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.1%; Sco...
100.0%; Pred. No. co...
0; Mismatches
                                                                                     UCAL-238/00US
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CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Neeley, Richard L.
REGISTRATION NUMBER: 30,092
REFERENCE/DOCKET NUMBER: UCAL
TELECHOMUNICATION INFORMATION:
TELEFAX: 38016COLLEYPA
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            746 TCCGTACGAGCCCTGAA 763
                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (synthetic) HYPOTHETICAL: NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTHER INFORMATION: PCR Primer US-09-659-791A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.1
Best Local Similarity 100.
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL: N
ANTI-SENSE: NO
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US-09-659-791A-4
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US-08-650-093C-43/C;
Sequence 43, Application US/08650093C;
Patent No. 6391542;
GENERAL INFORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment;
Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
COMPUTER READBLE FORM:

MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/397,220B
FILING DATE: 09-Mar-1995
CLASSIFICATION NUMBER: PCT/JP93/01293
FILING DATE: 10-Sep-93
APPLICATION NUMBER: PCT/JP93/01293
FILING DATE: 10-Sep-93
APPLICATION NUMBER: 07/945,289
FILING DATE: 10-Sep-92
ATTORAY AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: 32,257
REFERENCE/DOCKET NUMBER: 1SPH-0031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery March 1.0%; Score 16.8; DB 1; Length 20; Best Local Similarity 90.0%; Pred. No. 39; Matches 18; Conservative 0; Mismatches 2; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WORDPERFECT 6.1 for Windows
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,093C
FILING DATE: 17-May-1996
CLASSIFFCATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/452,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: March 9, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 118
CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANTI-SENSE: Yes
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1510 GCCTCCAGGCCCCCAACTCC 1529
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Marlton
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; Sequence 97, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
    APPLICANT: MARKTENS, GERT; STUYVER, LIEVEN, APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO TITLE OF INVENTION: PROCESS FOR TYPING OF HCV TITLE OF INVENTION: ISOLATES
    TITLE OF INVENTION: ISOLATES
    TUMBER OF SEQUENCES: 97
    CORRESPONDENCE ADDRESS:
    ADDRESSEE BIERMAN & MUSERLIAN
    CORRESPONDENCE ADDRESS:
                                                                   ZIP: 10016

ZIP: 10016

COMPUTER READABLE FORM:

MRDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,568B
FILING DATE: 18-JUL-1994
CLASSIFICATION NUMBER: PCT/FP93/03325
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
MAME: CHARLES A. MUSERLIAN
REFERENCE/DOCKET NUMBER: 410.004
TELEFAX: (212) 661-8002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,369B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
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NEW YORK
: NEW YORK
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US-08-256-568B-97
                                                   USA
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     CITY: NEW
STATE: NE
COUNTRY:
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US-10-022-649A-37/C
; Sequence 37, Application US/10023649A
; Patent No. 6800289;
GENERAL INFORMATION:
APPLICANT: Nagata, Leslie P.
APPLICANT: Wong, Jonathan P.
TITLE OF INVENTION: A STRAIN OF THE WESTERN EQUINE ENCEPHALITIS VIRUS (AS AMENDED)
FILE REFERENCE: NEL-001
CURRENT APPLICATION NUMBER: 05/256,948
FILOR APPLICATION NUMBER: 60/256,948
FRIOR APPLICATION NUMBER: 60/256,948
FRIOR APPLICATION NUMBER: 60/256,948
FRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 49
; SCPTWARE: Patentin version 3.1
; SEQ ID NO 37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches 2; Indels
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US-08-256-568B-97/C
; Sequence 97, Application US/08256568B
; Patent No. 5846704
; Patent No. 5846704
; GENEAL INFORMATION:
GENERAL INFORMATION:
CAPPLICANT: MAERTENS, GERT; STUTVER, LIEVEN;
APPLICANT: MAERTENS, GERT; STUTVER, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; STREET: 600 THIRD AVENUE
            APPLICATION NUMBER: 07/945,289
FILING DATE: September 10, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: 1SPH-
TELECOMMUNICATION INFORMATION:
TELEPAN: (609) 779-2400
TELEPAN: (609) 779-8488
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                      ANTI-SENSE: Yes
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
US-08-650-093C-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        524 CGACTCCCTGCTGGAGAACG 543
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 GCCTCCAGGCCCCCCCCTCC 1
                                                                                                                                                                                                                                                                                                                       TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: DNA Primer US-10-023-649A-37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial
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Query Match 1.0%; Score 16; DB 1; Length 16; Best Local Similarity 100.0%; Pred. No. 32; Matches 16; Conservative 0; Mismatches 0; Indels
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US-05-899-044-97/C
US-05-899-044-97/C
is Sequence 97, Application US/09899044
; Patent No. 6548244
; GENERAL INPORMATION:
APPLICANT: MAERIENS, GEERT; STUTVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO;
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,044
FILING DATE: 06-Jul-2001
CLASSIFICATION: cUnknown>
PRIOR APPLICATION AUMBER: 09/378,900
FILING DATE: CUNKNOWN>
APPLICATION NUMBER: PS/93/03325
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EF/93/0325
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EF/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EF/92/403,222.0
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REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
TELEFAX: (212) 661-8000
          FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EF/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION OF 100.000
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ 1D NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSER: BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16 cagccrccaggccccc 1
                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: CDNA
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ANTI-SENSE: YES
US-09-378-900A-97
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US-09-378-900A-97/C

Sequence 97, Application US/09378900A

PETERT NO. 6495670

GENERAL INFORMATION:
APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: ISOLATES
TITLE OF INVENTION: SCOLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:
ADDRESSEE BIERMAN & MUSERLIAN
STREET: 600 THIRD AVENUE
CITY: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER: IBM PC COMPATION
OPERATING SYSTEM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATION
SOFTWARE: ASCII
CURRENT APPLICATION DATA:

HORIGANIAN APPLICATION NUMBER: US/09/378,900A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 18-UUL-1994
APPLICATION NUMBER: PCT/FP93/03325
FILING DATE: 18-CNC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 31-NUG-1993
PRIOR APPLICATION NUMBER: EP/92/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELEFAN: (212) 661-8000
TELEFAN: (212) 661-8000
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/93/402,129.6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    , ANTI-SENSE: YES
US-09-038-369B-97
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MOLECULE TYPE:
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Gaps
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; Sequence 535, Application US/08390850
; Patent No. 5612215
; GENERAL INFORMATION:
    APPLICANT: Draper, Kenneth G.
    APPLICANT: Pavco, Pamela
    APPLICANT: Pavco, Pamela
    APPLICANT: Ashington, John
    APPLICANT: Stinchcomb, Dan T.
    TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
    TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
    CORRESPONDENCE ADDRESS:
    ADDRESSE: ADDRESS:
    ADDRESSE: ADDRESS:
    STREET: 633 West Fifth Street
    STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.0%; Score 16; DB 1; Length 17;
100.0%; Pred. No. 37;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                               The complete sequence of dystrophin predicts a rod-shaped cytoskeletal
PUBLICATION INFORMATION:
AUTHORS: Koenig, M, Hoffman, E P, Bertelson, C J, AUTHORS: Monaco, A P, Feener, C, Kunkel, L M. AUTHORS: Monaco, A P, Feener, C, Kunkel, L M. TITLE: Complete cloning of the TITLE: Complete cloning of the TITLE: Duchenne muscular dystrophy (DMD) cDNA and TITLE: preliminary genomic organization of the DMD TITLE: gene in normal and affected individuals JOURNAL: 50
                                                                                                                                                                                                                           AUTHORS: Hoffman, E.P., Monaco, A.P., Feener, C.C., AUTHORS: Kunkel, L.M.
                                                                                                                                                                                                                                                                         Conservation of the Duchenne muscular dystrophy gene in mice and humans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RELEVANT RESIDUES IN SEQ ID NO: 37 :FROM 1 TO 17 US-08-173-489C-37
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IEM Compatible
COMPUTER: IEM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FactsEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390, 850
FRILNG DATE: February 17, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/554,920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     December 13, 1994
JMBER: 08/152,487
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: Decemb
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                              Science
                                                                                                                                                                                                                                                                                                                       JOURNAL: Science
VOLUME: 238
PAGES: 347-350
DATE: 1987
                                                                                                                                                                                                 509-517
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE: p
JOURNAL:
VOLUME:
                                                                                                                                                                                                                                                                                                                                                                                                                 AUTHORS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                     PAGES:
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                                                                                                                                                                                                                                                                                                                   Gaps
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MOLECULE TYPE: Genomic DNA
DESCRIPTION: dystrophin gene (Accession # M18533,
DESCRIPTION: M17154, M18026) nucleotides 5967 to 5983
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC. STREET, 510 EAST 73RD STREET, STATE: NEW YORK STATE: NEW YORK COUNTRY: USA
                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA

ZIP: 10021.

COMPUTER READABLE FORM:

MEDIUM TYRE: 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT

OPERATING SYSTEM: MS-DOS version 6.2

SOFTWARE: Wordperfect Version 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C

FILING DATE: 22 DEC 1993
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION UMBER: US 07/968,436

FILING DATE: 29 OCT 1992
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: 26,179

REGISTRATION NUMBER: 26,179

REGISTRATION NUMBER: 26,179

REGISTRATION NUMBER: 26,179

RELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (attorney) (212) 246-8959
INFORMATION FOR SEQ ID NO: 37:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                           Query Match
1.0%; Score 16; DB
Best Local Similarity 100.0%; Pred. No. 32;
Matches 16; Conservative 0; Mismatches
                     INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLGGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICLE: NO
ANTI-SENSE: YES
SEQUENCE DESCRIPTION: SEQ ID NO: 97:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOWE/SEGMENT: X-chromosome
MAP POSITION: Xp21.3-p21.1
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TYPE: Nucleic Acid
STRANDEDNESS: double stranded
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GENERAL INCOMPATION:

APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: BENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANNON, MATK
APPLICANT: SHANNON, MATK
TITLE OF INVENTION: MYOSHE: 100/09/866,100A
APPLICANT: SHANNON, MATK
TITLE OF INVENTION WHOBER: US/09/866,100A
CURRENT APPLICATION WHOBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
PRIOR PLILOR DATE: 2000-09-27
PRIOR PLILOR DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                               Score 15.4;
Pred. No. 46
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Patent No. 6686188
SEQ ID NO 8666
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Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                     1589 AAGAACAGAATTGCTCC 1605
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   (213) 489-1600
(213) 955-0440
                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9
Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                              linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JS-09-866-108A-8666
         TELEPHONE:
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TOPOLOGY:
US-08-435-634-535
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Gustofson, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 5.5" Diskette, 1.44 Mb
MEDIUM TYPE: 6.5" DISKETS
MEDIUM TYPE: 6.5" DISKETS
MEDIUM DATA: 6.43 DISKET OF MILIOG DATE: 6.4M2-1995
MELING DATE: 6.5" DISKET OF MILIOG DATE: 6.487
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/354,920
FILING DATE: No. 5731295ember 12, 1993
APPLICATION NUMBER: 08/152,487
FILING DATE: December 12, 1993
APPLICATION NUMBER: 07/989,648
FILING DATE: December 7, 1993
ATTORNEY AGENT INFORMATION:
FILING DATE: No. 5612215ember 12, 1993
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 31,327
TELECOMMUNICATION INFORMATION:
TELEFRAX: (213) 955-0440
TELEFRAX: 67-1510
INFORMATION FOR SEQ ID NO: 535:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDENDES: SINGle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 211/084
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-435-634-535/c
; Sequence 535, Application US/08435634
; Patent No. 5731295
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1589 AAGAACAGAATTGCTCC 1605
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 AAGAACAGAATTTCTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TOPOLOGY: linear
US-08-390-850-535
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OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/709,209
FILING DATE: 21-AUG-1996
CLASSIFICATION NUMBER: US 08/105,483
FILING DATE: 12-AUG-1993
APPLICATION NUMBER: US 08/47,951
FILING DATE: 12-AUG-1993
APPLICATION NUMBER: US 07/847,951
FILING DATE: 06-AMR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 45.4310-2400
TELEFOND: (212) 840-3333
TELEFOND: (212) 840-3333
TELEFAX: (212) 840-3133
TELEFAX: (312) 840-3133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.8; I 88.9%; Pred. No. 63; tive 0; Mismatches
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Patent No. 5766599
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS_DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    222 CTCATAGAAAAAACAAAC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18 CTAATAGAAAAACCAAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9
Best Local Similarity 88.9
Matches 16; Conservative
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ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
US-08-709-209-280
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US-08-458-101-280/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY:
STATE: NY
COUNTRY: USA
ZIP: 1036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: BEATORIN Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/105,483
FILING DATE: 12-MG-1993
CLASSIFICATION NUMBER: US 07/847,951
FILING DATE: 06-MAR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
REGISTRATION NUMBER: 454310-2400
REFERENCE/DOCKET NUMBER: 455.506
REFERENCE/DOCKET NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 454310-2400
TELECOMMUNICATION NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 454310-2400
TELECOMMUNICATION NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 25.506
REFERENCE/DOCKET NUMBER: 454310-2400
TELEPHONE: (212) 840-3333
TELEPHONE: (212) 840-0712
INFORMATION FOR SEQ ID NO: 280:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STANDENBES: single
TYPE: nucleic acid
STANDENBES: single
                                                                                                                                  RESULT 96
US-08-105-483-280/c
Sequence 280, Application US/08105483
; Sequence 280, Application US/08105483
; Patent No. 5494807
; GENERAL INFORMATION:
APPLICANT: PROJECTION:
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: STRAIN
NUMBER OF INVENTION: 462
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: Correspondence of Correspondence of Ciry: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 14.8; D
88.9%; Pred. No. 63;
tive 0; Mismatches
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Query Match
Best Local Similarity 88.9
Matches 16; Conservative
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 97
US-08-709-209-280/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠે
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Gaps
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DB 1; Length 18;
                                                       2; Indels
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APPLICANT: Paoletti, Enzo
APPLICANT: Paoletti, Enzo
APPLICANT: Partaglia, James
APPLICANT: Tartaglia, James
APPLICANT: Tartaglia, James
APPLICANT: No. 5766599con, Elizabeth K.
APPLICANT: Niviere, Michel
APPLICANT: Gartiano, Charles
APPLICANT: Limbach, Keith J.
APPLICANT: Johnson, Gerard P.
APPLICANT: Pincus, Steven E.
APPLICANT: Pincus, Steven E.
APPLICANT: Gartig, Russell Robert
ITILE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: GENETICALLY ENGINEERED VACCINE
TITLE OF INVENTION: GENETICALLY ENGINEERED CORRESPONDENCE ADDRESSE: Curtis, Morris & Safford
ADDRESSEE: Curtis, Morris & Safford
ADDRESSEE: Curtis, Morris & Frommer
CITY: New York
CENTER: S30 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,101
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Score 14.8; DB 1; Length 18; Pred. No. 63; 0; Mismatches 2; Indels
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; Sequence 536, Application US/08390850
; Patent No. 5612215
                                                                                                                                                   1121 GCTGGAGCAGCTGAACGA 1138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1589 AAGAACAGAATTGCTC 1604
                                                                                                                                                                                              18 GCAGGAGCAGCTGAAGGA 1
                                                              Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.9
Best Local Similarity 93.8
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
; TOPOLOGY: linear
US-08-758-306-953
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US-08-390-850-536
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US-08-758-306-953/C
Sequence 953, Application US/08758306
Patent No. 5807743
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: ASSOCIATED WITH TITLE OF INVENTION: ASSOCIATED WITH TITLE OF INVENTION: ASSOCIATED WITH TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                    Ouery Match 0.9%; Score 14.8; E
Best Local Similarity 88.9%; Pred. No. 63;
Matches 16; Conservative 0; Mismatches
                                                              COUNTRY: CALLLULIAGE
COUNTRY: CALLLULIAGE
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 8torage
COMPUTER: IBM Compatible
COMPUTER: DEACHORY: 3, 1996
FILING DATE: December 3, 1996
FILING DATE: APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
NAME: WARDUEG, RICCHARD
REGESTRATION NUMBER: 32,327
REGESTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 953:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                           222 CTCATAGAAAAACAAAC 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18 CTAATAGAAAAACCAAC 1
    FILING DATE: 01-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer, William S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Los Angeles
STATE: California
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0
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GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Draper, Kenneth G.
APPLICANT: Parco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Gustocheson, John T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT;
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
INTHER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
COMPUTER: Fast SEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/390,850
FILING DATE: Pebrary 17, 1995
PRIOR APPLICATION NUMBER: 08/152,487
APPLICATION NUMBER: 08/152,487
FILING DATE: December 13, 1994
APPLICATION NUMBER: 07/989,848
FILING DATE: December 7, 1992
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard
REGESTRATION NUMBER: 31,037
REGESTRATION NUMBER: 31,037
RETERENCE! DOCUMENT: 31,004
FILING DATE: 1399
ATTORNEY AGENT INFORMATION:
TELEFONE: (213) 955-0440
TELEFAX: 67-3510
TELEFAX: 67-3510
SEQUENCE CHARACTERISTICS:
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Gaps

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APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, MARK
TITLE OF INVERTION WOBSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEGONICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-00-09
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOID
TITLE OF INVENTION: BIOSYNTHESIS PATHWAY
FILE REPERENCE: 4859-0027-0
CURRENT APPLICATION NUMBER: US/09/282,146A
CURRENT FILING DATE: 1999-03-31
EARLIER APPLICATION NUMBER: JP 10-125171
EARLIER FILING DATE: 1998-03-31
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 7
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-282-146-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 14.4; E
93.8%; Pred. No. 65;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 8352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8352, Application US/09866108A Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1104 CTCAACACCTCCTCT 1119
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                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: HORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9°
Best Local Similarity 93.8°
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-866-108A-8352/c
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                                                                                                                                                                                                                                                           APPLICANT: Draper, Kenneth G.
APPLICANT: Draper, Kenneth G.
APPLICANT: Draper, Famela
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Gustofson, John
APPLICANT: SLinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 50.72 DISKETTE, 1.44 Mb
MEDIUM TYPE: 50.72 DISKETTE, 1.44 Mb
MEDIUM TYPE: 50.72 DISKETTE, 1.44 Mb
MEDIUM TYPE: 1EM Compatible
OPERATING SYSTEM: 1EM F.C. DOS 5.0
SOFTWARE: FASTESQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/380,850
FILING DATE: FO-MAY-1995
CLASSIFICATION NUMBER: 08/384,920
FILING DATE: February 17, 1995
APPLICATION NUMBER: 08/384,920
FILING DATE: PEDCEMBER 13, 1994
APPLICATION NUMBER: 08/382,487
FILING DATE: DOCEMBER 7, 1992
APPLICATION NUMBER: 07/989,848
FILING DATE: DOCEMBER 7, 1992
APPLICATION NUMBER: 27, 1992
APPLICATION NUMBER: 27, 1992
APPLICATION NUMBER: 27, 1992
APPLICATION NUMBER: 2211/084
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELECAMINICATION INFORMATION:
TELESTAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
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0.9%; Score 14.4;
Best Local Similarity 93.8%; Pred. No. 65
Matches 15; Conservative 0; Mismatche
                                                                                                                                                                    Sequence 536, Application US/08435634
patent No. 5731295
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1589 AAGAACAGAATTGCTC 1604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                             US-08-435-634-536/c
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DB 1; Length 17;

Score 14.4;

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TYPE: DNA ORGANISM: Homo sapiens

US-09-866-108A-8352 Query Match

Sequence 7, Application US/09282146A Patent No. 6303847 GENERAL INFORMATION APPLICANT: KAWAOKA, Akiyoshi APPLICANT: EBINUMA, Hiroyasu

RESULT 102 US-09-282-146-7

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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BENN, Sharron G.
APPLICANT: HAWKEL, David R.
APPLICANT: HAWKEL, David R.
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERBACE: ACOUNTO. NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/203,6
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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                                  Gaps
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                                  1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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93.8%; Pred. No. 65;
tive 0; Mismatches
Best Local Similarity 93.8%; Pred. No. 65; Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8665, Application US/09866108A
Patent No. 6686188
GENERAL INFORMATION:
APPLICANT: GI, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharton G.
APPLICANT: RANK, Bavid K.
APPLICANT: RANK, David K.
                                                                                                                                                                                                                                                                                                 US-09-866-108A-8353/c

Sequence 8353, Application US/09866108A

; Patent No. 6686188

; GENERAL INFORMATION:
                                                                                                 1109 CACCTCCTCCTTGCTG 1124
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                                                                                                                                    17 CAGCTCCTCCTTGCTG 2
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 105
US-09-866-108A-8665
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USG-08-66-10037/C
USG-08-66-10037/C
Sequence 10037, Application US/09866108A
Patent No. 6686188
Patent No. 6886188
Patent No. 6886188
Patent No. 6886188
Patent No. Patent Office of the North North Office of the North Office of the
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PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 65;
Matches 15; Conservative 0; Mismatches 1;
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CORGANISM: Homo sapiens
US-09-866-108A-8667
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US-09-866-108A-10037
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APPLICANT: GU, MIZIONG
APPLICANT: GU, MIZIONG
APPLICANT: PENN Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANKON, MARK
TITLE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/USO1/00668
PRIOR PLICATION NUMBER: PCT/USO1/00668
PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PLICATION NUMBER: PCT/USO1/00668
PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PRIOR PLICATION NUMBER: PCT/USO1/00668
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Length 17;
                                                          1; Indels
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US-08-117-952-797/c

i Sequence 797, Application US/08117952

i Patent No. 5851760

i GENERAL INFORMATION:

APPLICANT: Bvans, Glen A.

APPLICANT: Swith, Michael W.

TITLE OF INVENTION: METHOD FOR GENERATION OF SEQUENCE

TITLE OF INVENTION: SAMPLED MAPS OF COMPLEX GENOMES
      DB 1;
Query Match
0.9%; Score 14.4; D
Best Local Similarity 93.8%; Pred. No. 65;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                   US-09-866-108A-10038/c
; Sequence 10038, Application US/09866108A
; Patent No. 6686188
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Best Local Similarity 93.8
Matches 15, Conservative
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APPLICANT: GU, Yizhong
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Gaps
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            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
FLING DATE: December 3, 1996
CLASSIFICATION S14
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WARDING, RICHARD J.
REGISTRATION NUMBER: 21, 32, 32
REFERENCE/DOCKET NUMBER: 212/132
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
TELEPHONE: (213) 955-0440
TELEPHONE: (213) 655-0440
FastSeq Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               693 CCTCACTTCTTCTTTCC 709
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Best Local Similarity 47.1%;
                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                          US-08-758-306-467
 SOFTWARE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                               SEEE: Pretty, Schroeder, Brueggemann & Clark
1. 444 South Flower Street, Suite 2000
Los Angeles
CA
CA
CY
CY
CY
CY
CA
CY
CA
CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 467, Application US/08758306
GENERAL INFORMATION:
APPLICANT: McSwiggen, James A.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: INTERLEUKIN-2 RECEPTOR TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION TITLE OF SEQUENCES: 1379
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 634 West Fifth Street
STREET: Gollifornia
COUNTY: Los Angeles
STATE: Callifornia
COUNTY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.9%; Score 14.4; I
Best Local Similarity 93.8%; Pred. No. 73;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1520 CCCCAACTCCGCCCAG 1535
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18 cccraacrccccag 3
                                                                                                   COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
NUMBER OF SEQUENCES: 7:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, S:
STREET: 444 South F1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ANTI-SENSE:
US-08-117-952-797
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                                                                   CITY: L
STATE:
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COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: FastESC for Windows95
SOFTWARE: FastESC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,455B
FILING DATE: 22-JAN-1996
PRION APPLICATION NUMBER: 08/593,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 17-NOV-1995
ATTORNEY/AGENT INFORMATION: NAME: MARKIE/DATA, Ph.D., Anita L.
NAME: MARKIE/DADA, Ph.D., Anita L.
NAME: WARKIE/DADA, Ph.D., Anita L.
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 8tcrage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0

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Gaps
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Sequence 21, Application US/08474700B

Patent No. 6001990

Hollichari Wands, Jack

APPLICANT: Wands, Jack

APPLICANT: Moradpour, Darius

TITLE OF INVENTION: ANTISENSE INHIBITION OF HEPATITIS C

TITLE OF INVENTION: VIRUS

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 13.8; DB 1; Length 17;
Pred. No. 80;
0; Mismatches 2; Indels
                                                                                  DB 1; Length 17;
                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: U.S.A.

COUNTRY: U.S.A.

COMPUTER READABLE FORM:
COMPUTER: IBM PS/2 Model 502 or 55X

COMPUTER: IBM PS/2 Model 502 or 55X

OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,700B
FILING DATE: 07-UN-1995
PRIOR APPLICATION NUMBER: 08/240,382
FILING DATE: 10 May 1994
ATTORNEY/ABRIT INFORMATION:
NAME: Fraser, Janie K.

REGISTRATION NUMBER: 3,819

REGISTRATION NUMBER: 3,819
                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 00786/279001
TELECOMOUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                     0.8%; Score 13.8;
88.2%; Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 114
US-08-757-024-874/c
; Sequence 874, Application US/08757024
; Patent No. 6025339
; PAPLICANT: Nyce, Jonathan W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       222 CTCATAGAAAAAAA 238
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Best Local Similarity 88.2%;
Matches 15; Conservative (
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                            Query Match 0.84
Best Local Similarity 98.25
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear US-08-474-700B-21
; TOPOLOGY: linear; MOLECULE TYPE: DNA US-08-599-4558-27
                                                                                                                                                                                                                                                                                                        RESULT 113
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tapper, Robert I.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT
TITLE OF INVENTION: METHODS OF IDENTIFYING THE OB RECEPTOR NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS: 44
CORRESPONDENCE ADDRESS: STREET: 225 Franklin Street
CITY: BOSEON
STREET: ADDRESSE: Fish & Richardson, P.C.
STREET: ADDRESSE: Fish & Richardson, P.C.
CITY: BOSEON
                                                                                                                                                                                                                                                                                                                                                                               ö
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COMPUTRY: MA
COMPUTRY READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPATIBLE
COMPUTER: MAINDOWNE VERSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,455B
FILING DATE: 22-JAN.1996
PRIOR APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 17-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: MAILLEJOHN, Ph.D., ANILA L.
REFERENCE/DOCKET NUMBER: 35,283
TELEPHONE: 617-542-5070
                                                                                                                                                                                                                                                                                                                                  ; Score 13.8; DE; Pred. No. 80; 0; Mismatches
              REFERENCE/DOCKET NUMBER: 07334/017001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-896
TELEX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 27, Application US/08599455B; Patent No. 5972621; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 cacratriscicricas 17
                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                 TOPOLOGY: linear
                                                                                                                                                                                                                                                                       MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 112
US-08-599-455B-27
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tartaglia, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                           0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 80;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYRE: DISKECTE CONTUTER: DISKECTE COT WINDOWS VERSION 2.0 CURRENT APPLICATION NUMBER: US/09/069,781B FILING DATE: 29-ARRIL-1998
PRIOR APPLICATION NUMBER: US 08/64,564
FILING DATE: 38-MAY-1997
APPLICATION NUMBER: US 08/708,123
FILING DATE: 22-AN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 22-AN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 21-AN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: O4-DEC-1995
APPLICATION NUMBER: US 08/56,633
ATTORNAME: MELKEJOHN: NUMBER: US 08/56,633
ATTORNAME: O4-DEC-1995
ATTORNAME: O4-DEC-1995
ATTORNAME: O4-DEC-1995
ATTORNAME: O4-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-069-781B-25; Sequence 25, Application US/09069781B; Sequence 25, Application US/09069781B; Patent No. 628778; Petent No. 628778;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                              TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-757-024-944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 gccchaccraracccac 1
                                                 TELEX: 575102
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 88.2'
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                        919-881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 225 F
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TELEPHONE:
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Patent No. 6025339

GENERAL INFORMATION:
APPLICANT: Nyce, Jonathan W.
TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON
STREET: P.O. Drawer 34009

CITY: Charlotte
STATE: No. 6025339th Carolina
COUNTRY: USA

ZIP: 28234
                                                                                                                                                                                                                                                       CAPPUTER TEADABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTONENY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/POCKET NUMBER: 31,665
REFERENCE/POCKET NUMBER: 31,665
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAK: 919-881-3175
METHOD OF TREATMENT FOR ASTHMA 952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match 0.8%; Score 13.8; D
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
TITLE OF INVENTION: METHOD OF TREATMENT FG
NUMBER OF SEQUENCES: 952
CORRESPONDENCE ADDRESS:
ADDRESSEE: BELL, SELTZER, PARK & GIBSON
STREET: P.O. Drawer 34009
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Ve-
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIPETCATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
                                                                                                                                                 CITY: Charlotte
STATE: No. 6025339th Carolina
COUNTRY: USA
ZIP: 28234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic) US-08-757-024-874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 ecceaecerarecese 1
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INFORMATION FOR SEQ ID NO: 8'
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-757-024-944/C
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Gaps
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Pred, No. 80;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7759, Application US/08584040

Sequence 7759, Application US/08584040

Patent No. 6346398

GENERAL INPORMATION:
APPLICANT: Revice, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: TRRATMENT OF DISEASES OR
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: SALLE'S COUNTRY: LOS Angeles STATE: California COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: Storage COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US/08/584,040 FILING DATE: January 11, 1996 CLASSIFICATION: 514 PRIOR APPLICATION: 514 PRIOR APPLICATION STATEMENT OF FILING DATE: October 26, 1995 ATTORNEY/AGENT INFORMATION: REFERENCE/DOCKET NUMBER: 32,327 REFERENCE/DOCKET NUMBER: 32,327 REFERENCE/DOCKET NUMBER: 218/064 TELLEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                               660 CACTACCTGCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 cacrarrreccerreae 17
                                                                                                                                                                                                                                                                                                Ouery Match 0.8%;
Best Local Similarity 98.2%;
Matches 15; Conservative (
(617) 542-5070
                                          TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                          (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                      , MOLECULE TYPE: DNA
US-09-069-781B-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J TOPOLOGY: US-08-584-040-7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-584-040-7759
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CITY: L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 118
                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 27, Application US/09069781B
; Sequence 27, Application US/09069781B
; Pattent No. 6287782
; GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Culpepper, Javid W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                             Query Match
0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: BOSTON
CITY: BOSTON
CITY: BOSTON
STATE: MA
COUNTY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKELE
COMPUTER: IBM COMPACIBLE
OPERATING SYSTEM: Windows95
SOFTWARE: FASESE for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,781B
FILING DATE: 29-APRIL-1998
PRIDATE APPLICATION NUMBER: US 08/64,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: US 08/638,524
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: US 08/533,153
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: US 08/533,153
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 21-DEC-1995
APPLICATION NUMBER: US 08/59,485
FILING DATE: 21-DEC-1995
APPLICATION NUMBER: US 08/569,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/569,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: US 08/569,485
FILING DATE: US 08-DEC-1995
APPLICATION NUMBER: US 08/569,485
FILING DATE: US 08-DEC-1995
APPLICATION NUMBER: US 08/566,622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Meiklejohn, Ph.D., Anita L. REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/082001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 04-DEC-1995
APPLICATION NUMBER: US 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
          TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
COLOGY: Linear
US-09-069-781B-25
                                                                                                                                                                                                                                                                                                                                                                                                                       660 CACTACCTGCCCTTCAG 676
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US-09-069-781B-27
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Sequence 25, Application US/09137132
Patent No. 6380363
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Tepper, Maite, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: Diskette COMPUTER: IBM Compatible OPERATING SYSTEM: Windows95
SOFTWARE: FASESE (for Windows Version 2.0 CURRENT APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-AUG-1998
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/76,123
FILING DATE: 26-ARP-1996
APPLICATION NUMBER: 08/638,524
FILING DATE: 26-ARP-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1996
APPLICATION NUMBER: 08/59,153
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
APPLICATION NUMBER: 35,283
ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Amita L.
REERENCE, DOCKET NUMBER: 35,283
REFERENCE, DOCKET NUMBER: 35,283
REFERENCE, DOCKET NUMBER: 37,283
TELEPHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.8; Ded. No. 80; Mismatches
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ilarity 88.2%;
Conservative (
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TELEX.
TOO154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
T.FNGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 17 base paire
TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-137-132-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                      ö
                                                        Gaps
                                                      ö
Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 64.7%; Pred. No. 80; Matches 11; Conservative 4; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: MCSWiggen, James A.
APPLICANT: Mc10, Patricia Ann Owens
APPLICANT: Mc10, Patricia Ann Owens
APPLICANT: Guo, Lining
APPLICANT: Skokut, Thomas A.
APPLICANT: Skokut, Thomas A.
APPLICANT: Young, Scott A.
APPLICANT: Young, Scott A.
APPLICANT: Mc10, Donald J.
TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
TITLE OF INVENTION: IN PLANTS
NUMBER OF SEQUENCES: 1263
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Slike Fifth Street
STREET: Slike 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; I
88.2%; Pred. No. 80;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U.S.A.

ZIP: 90071-2066
COMPUTER READMBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM COMPACIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/679,645
FILING DATE: July 12, 1996
CLASSIFICATION: 800
RICASIFICATION UMBER: 08/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: SEPLEMBER: 08/300,726
FILING DATE: SEPLEMBER: 2, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 31,327
                                                                                                                                                                                                                                                                                                                                                   Zwick, Michael G.
Edington, Brent E.
McSwiggen, James A.
Merlo, Patricia Ann Owens
Guo, Lining
                                                                                                                                                                                                                              RESULT 119
3.08-69-645-687/c
; Sequence 697, Application US/08679645
; Patent No. 6350934
; GENERAL INDORMATION:
APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (213) 489-1600
TELERA: (213) 955-0440
TELEX: (213) 955-0440
INFORMATION FOR SEQ ID NO: 687:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1213 TGGCTTCCCACACTTCT 1229
                                                                                                          1112 CTCCTCCTTGCTGGAGC 1128
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-679-645-687
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            Gaps
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            Indels
DB 1;
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                                     1 CACTATTTGCCCTTCAG
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                                                                                                    APPLICANT: Tarteglia, Louis A.
APPLICANT: Tarteglia, Louis A.
APPLICANT: Tarteglia, Louis A.
APPLICANT: Tarteglia, Louis A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David B.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Pred. No. 80;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: LUBRECLE CONTUER: IBM COMPACTION COPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/137,132
FILING DATE: 18-AUG-1998
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/864,564
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/639,524
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-DEC-1995
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,485
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,485
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,633
APPLICATION NUMBER: 08/56,633
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,633
FILING DATE: 37-NOV-1995
ATONEY AGENT INFORMATION: NAME: NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07334/019004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street CITY: Boston
Sequence 27, Application US/09137132
Patent No. 6380363
GENERAL INFORMATION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%;
Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             617-542-8906
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Sequence 25, Application US/08864564A

Sequence 25, Application US/08864564A

Betacht No. 6395498

GENERAL INFORMATION:
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DASHOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Boston
STAKE: MA
COUNTRY: US
ZIP: 02110-2804
COUNTRY: US
ZIP: 02110-2804
COMPUTER: IBM COMPAIDLE
COMPUTER: IBM COMPAIDLE
COMPUTER: IBM COMPAIDLE
COMPUTER: TRACESO for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,564A
APPLICATION NUMBER: 08/708,123
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
APPLICATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 37,384
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 660 CACTACCTGCCCTTCAG 676
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
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          US-08-864-564A-25
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Sequence 15, Applications
PERSEAL : PROPERTION:
APPLICANT: Tepper. Rober 1.
INTER OF INVENTION: TEPPER. ADDRESS AND PERSEAVE OF BOOY WEIGHT DATE OF RECEPTORS.
TITLE OF INVENTION: THE DATE OF RECEPTOR AND WETHOUS FOR TITLE OF INVENTION: THE DATE OF RECEPTORS.
OUTSIERS OF REQUESTED: SO THE REPORT OF BOOY WEIGHT DATE OF RECEPTORS.
OUTSIERS OF REAL PROPERTION: THE DATE OF SOUTH OF S
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0.8%; Score 13.8; DI
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA
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                                                                                                                    GENERAL INFORMATION:

Patent No. 6395498

GENERAL INFORMATION:

APPLICANT: Tartaglia, Louis A.

APPLICANT: Tapper, Robert I.

TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:

ADDRESSE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

COUNTRY: BOSTON

STATE: MA

COUNTRY: US.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: US

ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDLIUM TYPE: Diskette
COMPUTER: IBM COMPAtible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,564A
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/538,524
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/59,455
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/50,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,662
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REPREMENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 36,283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.8; D
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 200154
INFORMATION FOR ESQ 1D NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
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Gaps
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DB 1; Length 17;
                    Indels
                                            660 CACTACCTGCCCTTCAG 676
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US-09-094-410-27
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660 CACTACCTGCCCTTCAG 676 CACTATTTGCCCTTCAG 17

RESULT 124 US-09-094-410-25

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Sequence 15, Application US/08708123D
Patent No. 648227
GENERAL INFORMATION
CENTRAL Tartegla, Louis A.
APPLICANT: White David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DIAGNOSIS AND TERATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: THE DAVID AND STREET AND TERATMENT OF STREET AND TERETMENT OF STREET OF STR
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: Tapper, Robert I.
APPLICANT: Tapper, Robert I.
APPLICANT: Tapper, Robert I.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIS RECEPTOR AND METHODS FOR TITLE OF INVENTION: THE DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
SIRBET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 80;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTRY: NAT COMPUTRY: NAT COUNTRY: NAT COUNTRY: NAT COMPUTRY: NAT COMPUTRY: NAT COMPUTER: Diskette COMPUTRY: IBM COMPACIBLE COMPUTER: DIskette COMPUTER: DISKETTE WINDOWS95 SOFTWARE: FASTEN: WINDOWS95 SOFTWARE: PASTES for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US/09/094,410 FILING DATE: 28-MAY.199 APPLICATION NUMBER: 08/64,564 FILING DATE: 26-APR-1996 APPLICATION NUMBER: 08/599,455 FILING DATE: 26-APR-1996 APPLICATION NUMBER: 08/599,455 FILING DATE: 28-DEC-1995 APPLICATION NUMBER: 08/599,455 FILING DATE: 11-DEC-1995 APPLICATION NUMBER: 08/599,455 FILING DATE: 11-DEC-1995 APPLICATION NUMBER: 08/599,465 FILING DATE: 11-DEC-1995 APPLICATION NUMBER: 08/569,485 FILING DATE: 11-DEC-1995 APPLICATION NUMBER: 08/569,485 FILING DATE: 04-DEC-1995 APPLICATION NUMBER: 08/569,485 FILING DATE: 11-DEC-1995 APPLICATION NUMBER: 08/569,485 FILING DATE: 01-DEC-1995 APPLICATION NUMBER: 08
                                                                                                      Sequence 27, Application US/09094410 Patent No. 6403552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Boston
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                             Gaps
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DB 1; Length 17;
                             Indels
0.8%; Score 13.8; D
88.2%; Pred. No. 80;
Live 0; Mismatches
                                                                                                                                              RESULT 127
US-08-708-123D-27
Sequence 27, Application US/08708123D
Patent No. 6482927
GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
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Gaps

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Indels

0; Mismatches

660 CACTACCTGCCCTTCAG 676

1 CACTATITGCCCTICAG 17

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RESULT 126 US-08-708-123D-25

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us-08-583-153A-27

Sequence 27, Application US/0858153A

Sequence 27, Application US/0858153A

Patent No. 6506877

GENERAL INFORMATION:

APPLICANT: Tartaglia, Louis A.

TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE

TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING

TITLE OF INVENTION: OBESITY AND CACHEXIA

NUMBER OF SEQUENCES: 41

CORRESPONDENCEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

COUNTRY: US

TITLE OF UNIVENTION: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.8; D
Pred. No. 80;
0; Mismatches
       OBESITY AND CACHEXIA
                                                                                                                                                                                                                                                     MEDIUM .....
COMPUTER: IBM COMPALLALL
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
RIDING APPLICATION DATA:
PILING DATE: 11-DEC-1995
FILING DATE: 04-DEC-1995
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 37-NOV-1995
APPLICATION NUMBER: 03/52,83
FILING DATE: 37-NOV-1995
APPLICATION NUMBER: 35,283
TELEGOMMUNICATION NIMPER: 35,283
TELEFRENCE/DOCKET NUMBER: 33,283
TELEFRENCE/DOCKET NUMBER: 37,283
TELEFRENCE 617-542-5070
TELEFRAX: 617-542-8906
       TITLE OF INVENTION: OBESITY AND CAC
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
                                                                                                                                                    0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-583-153A-25
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 17;
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                                                                                                                                                                                                                                                                                                COMPUTRY: US

ZIP: 02110-2804

COMPUTRY: US

ZIP: 02110-2804

COMPUTER: EDADALE FORM:
MEDIUM TYPE: Diskette

COMPUTER: IBM COMPATIBLE

OPERATING SYSTEM: Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/708,123D

FILING DATE: U3-SEP-1996

PRIOR APPLICATION NUMBER: 08/639,455

FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/539,455

FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/59,455

FILING DATE: 28-DEC-1995
APPLICATION NUMBER: 08/50,142

FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,662

FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/56,663

FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663

FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,663

FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/562,663

FILING DATE: 27-NOV-1995
ATTORNEY AGENT INPORMATION:
NAME: Meiklejohn, Ph. D., Anita L.
REGISTRATION NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 35,283

TELEBHONE: 617-542-5070

TELEBHONE: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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88.2%; Pred. No. 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 128
US-08-583-153A-25
; Sequence 25, Application US/08583153A
; Patent No. 6506877
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ 1D NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15; Conservative
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Best Local Similarity
Matches 15; Conservi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                                                                                            Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-708-123D-27
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US-08-638-524B-27
Sequence 27, Application US/08638524B
Sequence 27, Application US/08638524B
Sequence 27, Application US/08638524B
Setent No. 6548269
GERERAL INFORMATION: Tartaglia, Louis A.
APPLICANT: Tartaglia, Louis A.
APPLICANT: CUIPEPPER, SObert I.
APPLICANT: CUIPEPPER, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: DAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OBI
TITLE OF INVENTION: CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE FORM:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
CONTRY: US
COUNTRY: US
ZIP: O3110-2804
CONTRY: US
ZIP: O3110-2804
CONTRY: BARDABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
COMPUTER: BAR COMPATIBLE OSAN:
MEDIUM TYPE: Diskette
COMPUTER: BAR COMPATIBLE OSAN:
MEDIUM TYPE: Diskette
COMPUTER: APPLICATION DATA:
COMPATER: 26-AR-1966
FILING DATE: 25-TAN-1966
FILING DATE: 28-DE-1995
FILING DATE: 11-DEC-1995
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                                                                                                                                                                                                                                                                                                                                  07334/018001
           APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/569,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/566,622
FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Meixlejohn, Ph.D., Amita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: 617-542-8906
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28-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 08-DEC APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TOPOLOGY: linear
; MOLECULE TYPE: DNV
US-08-638-5248-25
FILING DATE:
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; Sequence 25, Application US/08638524B
; Patent No. 65848269
; APPLICANT: Tepper, Robert I.
APPLICANT: Culpepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE OR ECEPTOR AND METHODS FOR THE
TITLE OF INVENTION: CACHEXIA
NUMBER OF SEQUENCES: 50
; CORRESPONDENCES: 50
; COURRESPONDENCES: 50
; COUNTRY: US
CULTY: DOSCON
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ô
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/638,524B
FILING DATE: 26-APR-1996
FILING DATE: 26-APR-1996
APPLICATION NUMBER: 08/599,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: 08/593,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; D
88.2%; Pred. No. 80;
tive 0; Mismatches
                          CURTOLER, TANG. COMPACALOLE
CORERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,153A
FILING DATE: 28-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/570,142
FILING DATE: 11-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 08/56,63
FILING DATE: 27-NOV-1995
APPLICATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRANG 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            660 CACTACCTGCCCTTCAG 676
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
              IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 88.29
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear;
MOLECULE TYPE: DNA
US-08-583-153A-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-638-524B-25
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TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00, 876-J (237/198)
CURRENT PAPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-10-26
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 68/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4182
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WESULI 134
US-09-866-108A-1895/C
Sequence 1995, Application US/09866108A
Patent No. 6666188
GENERAL INFORMATION:
APPLICANT: GUI 'itangang
APPLICANT: David R.
APPLICANT: PRIN, Sharton G.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: SHANNOW, MARK
ITITE OF INVENTION: WAGSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT FILING DATE: 2000-05-25
CURRENT PAPLICATION NUMBER: US/09/866,108A
CURRENT PAPLICATION NUMBER: US/00-05-26
PRIOR PLILNG DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-27
PRIOR PELING DATE: 2001-00-04
PRIOR PELING DATE: 2001-01-04
PRIOR PELING DATE: 2001-01-130
PRIOR PLILNG DATE: 2001-01-130
PRIOR PELING DATE: 2001-01-130
PRIOR PLILNG DATE: 2001-01-130
PRIOR PRILNG DATE: 2001-01-130
PRIOR PLILNG DATE: 2001-01-130
PRIOR PLING DATE: 2001-01-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 13.8; D
Best Local Similarity 70.6%; Pred. No. 80;
Matches 12; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1115 CTCCTTGCTGGAGCAGC 1131
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COGGANISM: Homo sapiens
US-09-866-108A-1895
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-09-371-772B-4182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            셤
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; Sequence 3543, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
    APPLICANT: Rabozyme Pharmaceuticals, Inc.
    APPLICANT: Pavco, Pam
    APPLICANT: Bacobedo, Jaime
    APPLICANT: Escobedo, Jaime
    APPLICANT: Escobedo, Jaime
    TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
    TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
    TITLE REFERENCE: MAHBOO, 376-3 (237/198)
    CURRENT APPLICATION NUMBER: US/09/371,772B
    CURRENT FILING DATE: 1995-10-26
    PRIOR PILING DATE: 1995-10-26
    PRIOR FILING DATE: 1995-10-26
    PRIOR FILING DATE: 1996-01-08
    NUMBER OF SEQ ID NOS: 14225
    SOFTWARE: PatentIn version 3.0
    SEQ ID NOS: 3543
    LENGTH. 177
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FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT IRFORMATION:
NAME: Meaklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REGISTRATION NUMBER: 35,283
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAX: 617-542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; I
88.2%; Pred. No. 80;
tive 0; Mismatches
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Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: RoSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1112 CTCCTCCTTGCTGGAGC 1128
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                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDENBES: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 88.2
Matches 15; Conservative
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Matches 11; Conserv
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ORGANISM: MUB SD.
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US-09-371-772B-4182
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US-09-371-772B-3543
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Best Local Similarity
Matches 15; Conserv
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DB 1; Length 17;
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0.8%; Score 13.8; D
88.2%; Pred. No. 80;
tive 0; Mismatches
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APPLICANT: GU, Yizhong APPLICANT: JI, Yonggang APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   861
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      Query Match
Best Local Similarity 88.2'
Matches 15; Conservative
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Matches 15; Conserv
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BENN, Sharron K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MENERGE
APPLICANT: SHANNON, MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: WIMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
APPLICANT: HANZEL, David K.
APPLICANT: RANK. David R.
APPLICANT: CHEN, Wenshrug
APPLICANTON: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEGONICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT PLING DATE: 2001-05-26
PRIOR PILING DATE: 2000-10-26
PRIOR PILING DATE: 2000-10-26
PRIOR PILING DATE: 2000-10-36
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR PELING PERIOR DATE: 2001-01-30
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, Sequence 7485, Application US/09866108A
, Patent No. 6686188
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PREGENT NO. 668618 WERREAL INPORMATION:
APPLICANT: GV 11/20099
APPLICANT: GV 11/2009909
APPLICANT: BENN SHARTON G.
APPLICANT: FURN SHARTON G.
APPLICANT: BENNES.
APPLICANT: BENNES.
APPLICANT: APPLICANTON MARCHARDED
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUWAN HEART AND MUSCLE FILES REPERFECTE. AEGONG.
TITLE OF INVENTION: WHORER: US/09/866.108A
TITLE OF INVENTION: WHORER: US/09/866.108A
CURRENT APPLICATION NUMBER: US/09/866.108A
PRIOR PELLING DATE: 2000-05-26
PRIOR FILING DATE: 2001-05-26
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PELLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
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PRIOR APPLICATION NUMBER: PCT/US01/00666
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                                                              Score 13.8; DB 1; Length 17;
Pred. No. 80;
0; Mismatches 2; Indels
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; Pred. No. 80;
0; Mismatches
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Sequence 8661, Application US/09866108A
Patent No. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8660, Application US/09866108A Patent No. 6686188
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2%;
Matches 15; Conservative
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; ORGANISM: Homo 8
US-09-866-108A-8660
         US-09-866-108A-8568
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PRIOR APPLICATION NUMBER: PCT/USO1/00664

PRIOR FILING DATE: 2001-01-30

PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00663

PRIOR PRIOR FILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 12755

SOFTWARE: Aeomica Sequence Listing Engine

PATENT NOT 485

LENGTH: 17
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APPLICANT: RANK, David R.
APPLICANT: CHEN, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REPERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT PILING DATE: 2001-05-25
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SOFTWARE: Acomica Sequence Listing Engine
PARENT NO. 6686188
SEQ ID NO 8568
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLING DATE: 2001-01-30
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Patent No. 6686188
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Best Local Similarity 88.2%;
Matches 15; Conservative
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108A-7485
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ORGANISM: Homo sapiens
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270 GAAGAAGCCAAGAAAAA 286
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-866-108A-8663
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: GHEN, Wansheng
APPLICANT: GHEN, WASHENGER
INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
INTILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICANTON NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-01-30
PRIOR FILING DATE: 2001-03-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
                                                                                               APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE OF INVENTION: NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PELLING DATE: 2000-10-3-26
PRIOR PELLING DATE: 2000-10-04
PRIOR PELLING DATE: 2000-10-04
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLOATION NUMBER: PCT/US01/00669
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLIN
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Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches
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Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             268 TAGAAGAAGCCAAGAAG 284
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PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 141
US-09-866-108A-8663
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PRIOR PRINKS IN 187 201-01-0669

PRIOR PRINKS IN 201-01-01

PRIOR PRICKATION NUMBER: PCT/USO1/0669

PRIOR PRICKATION NUMBER: PCT/USO1/0669

PRIOR PRICKATION NUMBER: PCT/USO1/0669

PRIOR PRICKATION NUMBER: PCT/USO1/0668

PRIOR PRICKATION NUMBER: PCT/USO1/0669

PRIOR PRICKATION NUMBER: PCT/USO1/0668

PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRICKATION NUMBER: PCT/USO1/0666

PRIOR PRILING DATE: 2001-01-30

PRIOR PRINKER: PCT/USO1/0666

PRIOR PRINKER: PCT
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10828394-1 1-1643.rni.sl

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APPLICANT: JI, Yonggang
APPLICANT: PRAN, Sharton G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEW, Wensheng
APPLICANT: CHEW, CHEW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
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GENERAL INFORMATION:
APPLICANT: UN YIATON:
APPLICANT: JI YOONGGAN
APPLICANT: JI YOONGGAN
APPLICANT: JI YOONGGAN
APPLICANT: BANK, David K.
APPLICANT: PENN, Bharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEONGTO.
CURRENT PILING DATE: 2001-05-26
PRIOR PELING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-10-26
PRIOR PELING DATE: 2000-10-36
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001
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                                                                                                                                                        Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 80; Matches 15; Conservative 0; Mismatches 2; Indels
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; Sequence 9688, Application US/09866108A
; Patent NO. 6686188
; GRNEAL INFORMATION:
; APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 143
18-09-866-108A-9687/c
1. Sequence 9687, Application US/09866108A
1. Patent No. 6686188
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                                                                                                                                                                                                                                                                                                                                            271 AAGAAGCCAAGAAGAAG 287
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CORGANISM: Homo sapiens
US-09-866-108A-9687
                           ; ORGANISM: Homo sapiens US-09-866-108A-8664
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GENERAL INFORMATION:
APPLICANT: 01. Yindong
APPLICANT: FERN, Barron G.
APPLICANT: FERN, David R.
APPLICANT: RANK, David R.
TITLE OF INVENTION: MYGSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPRENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2001-01-30
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Score 13.8; DB 1; Length 17;
Pred. No. 80;
0; Mismatches 2; Indels
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Sequence 9689, Application US/09866108A
Patent No. 6686188
                                                                                                                           92 GGAGAGTGGGCAGGTCC 108
            Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative (
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APPLICANT: Nyce, Jonathan W.
TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
TITLE OF INVENTION: COMPOSITION OF DISEASES & CONDITIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLANMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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88.2%; Pred. No. 80;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/093,972C FILING DATE: 09-Jun-1998 CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 996
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: New Jersey
                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.
STREET: 7 Clarke Drive
CITY: Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: Amcal, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEPHONE: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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;
SEQUENCE DESCRIPTION: SEQ ID NO: 874:
US-09-093-972C-874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
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INFORMATION FOR SEQ ID NO: 874:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                             NUMBER OF SEQUENCES: 996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 08512
COMPUTER READABLE FORM:
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Best Local Similarity 88.2
Matches 15, Conservative
GENERAL INFORMATION:
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; Sequence 3543, Application US/09685664B
; Patent No. 6818447
; GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Revoco, Pam
    APPLICANT: Revoco, Pam
    APPLICANT: Action Method and Reagent for Treatment of Diseases or Conditions Relate
    TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
    TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions
    TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
    TITLE OF INVENTION NUMBER: US 60/005,974
    PRIOR REFIGATION NUMBER: US 60/005,974
    PRIOR PLIING DATE: 1995-10-08
    PRIOR PLIING DATE: 1995-10-08
    PRIOR PLIING DATE: 1995-01-08
    PRIOR FILING DATE: 1995-01-08

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                PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR FILING DATE: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 80;
Matches 15; Conservative 0; Mismatches 2;
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US-09-093-972C-874/c
; Sequence 874, Application US/09093972C
; Patent No. 6825174
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1 CUCCCCCUUGCUGAAGC 17
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Best Local Similarity 64.7%;
Matches 11; Conservative 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 GGGAGAGTGGGCCAGTC 1
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CORGANISM: Mus musculus
US-09-685-6648-3543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-09-866-108A-9689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 146
US-09-685-664B-3543
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Gaps
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Pred. No. 80;
0; Mismatches 2; Indels
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OPERATING SYSTEM: 18M P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291,932A
FILING DATE: August 15, 1994
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 07/987,132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-191-932A-160

Sequence 160, Application US/08291932A
Fatent No. 56587B0
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth G.
APPLICANT: McSwiggen, James TITLE OF INVENTION: RIBOZYME TREATMENT OF TITLE OF INVENTION: RELATED TO LEVELS OF TITLE OF INVENTION: RELATED TO LEVELS OF TITLE OF INVENTION: NF-KB
NUMBER OF SEQUENCES: 830
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
STREET: Suite 4700
APPLICATION NUMBER: 08/240,382
FILING DATE: 10 May 1994
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/221001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1842-5070
TELEFAX: 200154
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE FOOKET NUMBER: 208/157
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: December 7, 1992 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  222 CTCATAGAAAAAAAA 238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17 CTCAAAGAAAACCAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                               ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
PCT-US95-05812-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Los Angeles
STATE: California
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                            COMPUTER READABLE FORM:

REDIUM TYPE: Floppy disk
COMPUTER: ISP PC Compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRINT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: AUNKNOWN>
PRIOR APPLICATION OF AUNKNOWN>
PRIOR APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
ATTORNEY/AGENT 7-JUNE-1998
ATTORNEY/AGENT 7-JUNE-1998
ATTORNEY/AGENT 100-1998
ATTORNEY/AGENT 100-1998
ATTORNEY/AGENT 100-1998
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FRESULT 199
FRESULT 199
FRESULT 199
Sequence 21, Application PC/TUS9505812
Sequence 21, Application PC/TUS9505812
FATILE Wakita, Takaji
APPLICANT: Wands, Jack
TITLE OF INVENTION: HEPATITIS C VIRUS
NUMBER OF SEQUENCES: 38
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STREET: Massachusetts
COMPTRY: U.S.A.
ZIP: 02110-2804
COMPUTRY: U.S.A.
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTRY: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: MOLDPATE:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTRY: NOTAPE: 5.0)
SOFTWARE: NOTAPE: 5.0)
SOFTWARE: NOTAPE: 6.1)
CURRENT APPLICATION DATA:
FILING DATE:
FILING DATE:
FILING DATE:
FRIENCE APPLICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REGISCOPCOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 13.8;
88.2%; Pred. No. 80;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 944:
US-09-093-972C-944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: «UNKNOWN»

INFORMATION FOR SEQ ID NO: 944:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 413-254-9245
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Matches 15, Conservative
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-081-646-174
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US-09-081-646-174/C
; Sequence 174, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
; APPLICANT: Kinneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Come Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664 US/09/081,646
; CURRENT APPLICATION NUMBER: 06/047,352
; EARLIER APPLICATION NUMBER: 60/047,352
; EARLIER FILING DATE: 1997-05-21
; NUMBER OF SEQ ID NOS: 871
; SEQ ID NO 174
; LENGTH: 15
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                                                                                                                                                                                                                           Gaps
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US-09-180-437-151
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                                                                                                                                                                               0.8%; Score 13.4; DB 1; Length 15; 86.7%; Pred. No. 71;
                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 151, Application US/09180437

Sequence 151, Application US/09180437

Sequence 151, Application US/09180437

GENERAL INPORMATION:

APPLICANT: FUKUSAKO, Shioji

APPLICANT: FUKUSAKA, Takeshi

TITLE OF INVENTION: Antisense Compounds to CD14

FILE REFERENCE: 1110-209P

CURRENT APPLICATION NUMBER: US/09/180, 437

CURRENT FILING DATE: 1998-11-06

EARLIER FILING DATE: 1998-10-05

EARLIER FILING DATE: 1998-10-05

EARLIER FILING DATE: 1998-03-09

EARLIER FILING DATE: 1997-03-07

NUMBER OF SEQ ID NOS: 289

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 151

LENTH: 15
                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                         1507 CCAGCCTCCAGGCCC 1521
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                   1 ccagccuccaggcuc 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15 TGCAGCAGTGGCTCA 1
      ; INFORMATION FOR SEQ ID NO: :
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-291-932A-160
                                                                                                                                                                                    Query Match
Best Local Similarity 86.74
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 151
US-09-180-437-151/c
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US-09-136-116-75/C
US-09-136-116-75/C
US-09-36-116-75/C
Sequence 75, Application US/09736116
Sequence 75, Application US/09736116
Patent No. 6727085
GENERAL INFORMATION:
APPLICANT: Sejersgard, Tina
APPLICANT: Mikkelsen, Frank
TITLE OF INVENTION: Subtliase variants having an improved wash peformance on egg stair
FILE REFERENCE: 6108.410
CURRENT APPLICATION NUMBER: US/09/736,116
CURRENT FILING DATE: 2001-05-24
NUMBER OF SEQ ID NOS: 105
SOFTWARE: Patentin version 3.0
SEQ ID NO 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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; GRERRAL INFORMATION:

APPLICANT: Knnzler, Kenneth

; APPLICANT: Chang, Lin

APPLICANT: Chang, Lin

APPLICANT: Chou, Wei

; TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

; TITLE OF INVENTION: Cancer Cells

; TITLE OF INVENTION: CANCER: US/09/081,646

; CURRENT FILING DATE: 1998-05-20

; EARLIER PILING DATE: 1998-05-21

; NUMBER OF SEQ ID NOS: 871

; SEQ ID NO 783

; LENGTH: 15
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                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 71; tive 0; Mismatches 1; Indels
0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 71; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                 RESULT 153
US-09-081-646-783/c
Sequence 783, Application US/09081646
Patent No. 6333152.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           807 GCTCAGCAGGCCATG 821
                                                                                                               807 GCTCAGCAGGCCATG 821
                                                                                                                                                                15 GCCCAGCAGGCCATG 1
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Best Local Similarity 93.3%
Matches 14; Conservative
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             Query Match 0.8<sup>†</sup>
Best Local Similarity 93.3<sup>†</sup>
Matches 14<sup>‡</sup>, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-081-646-783
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Sequence 68, Application US/09034205

Patent No. 619449

GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Pors, Lance
APPLICANT: Neri, Bruce P.
TITLE OF INVENTION: TREGET-DEPENDENT REACTIONS USING
TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDIEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CORRESPONDENCE ADDRESSE:
CONTRIBUTED OF STRUCTURE OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 81; tive 0; Mismatches 1; Indels
TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLECTIDES NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
                                                                                                                                                                                                                                                                                             ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: PROPERATIONE
COMPUTER: PACENCY
SOFTWARE: PACENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,205
FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE BM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/034,205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38.230
REFERENCE/DOCKET NUMBER: FORS-03268
TELECOMMUNICATION INFORMATION:
TELEPAN: (415) 705-8410
TELEPAN: (415) 397-8338
INFORMATION FOR SEQ ID NO: 677:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1508 CAGCCTCCAGGCCCC 1522
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CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 93.39
Matches 14; Conservative
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
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US-09-034-205-68
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                                                                                                                                                                                                                                                                       COUNTRY:
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                                                                                                                        RESULT 155
US-08-170-489C-32/C
; Sequence 3.2, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
APPLICANT: WANG, C. -G.
TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
TITLE OF INVENTION: TRIPLE-STRAND FORMATION.
TUMBER OF SEQUENCES: 3 465
; CORRESPONDENCE ADDRESS:
ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
STREET: 510 EAST 73RD STREET,
CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
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MOLECULE TYPE: other nucleic acid
DESCRIPTION: third strand derived from dystrophin
DESCRIPTION: sequence region in Seq ID No. 586124431
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Sequence 67, Application US/09034205

Patent No. 6194199

PAPELICANT: Lyamichev, Victor I.

APPLICANT: Brow, Mary Ann D.

APPLICANT: Brow, Mary Ann D.

APPLICANT: Ners, Lauce P.

TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RELEVANT RESIDUES IN SEQ ID NO: 32 :FROM 1 TO 16 US-08-173-489C-32
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COUNTRIE 10021.

COMPUTER READABLE FORM:
MEDIUM TYPEE 3.5 inch, 1.44Mb storage
COMPUTER: IBM PC/XT/AT
OPERATING SYSTEM: MS-DOS version 6.2
SOFTWARE: Wordperfect Version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,489C
FILING DATE: 2 DEC 1993
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: 2 DEC 1993
ATTORNEY/AGENT INFORMATION:
NAME: Handelman, Joseph H.
REGISTRATION NUMBER: US518-6
TELEPHONE: (attorney) (212) 708-1880
TELEPHONE: (attorney) (212) 708-1880
TELEPHONE: (attorney) (212) 708-1880
TELEPHONE: (attorney) (212) 708-1880
SEGUENATION FOR SEG ID NO: 32: SEGUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: Nucleic Acid
STRANDEDNESS: single stranded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              271 AAGAAGCCAAGAAGA 285
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                              15 GCTGTTAAAGTCCTA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 16 bases
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Conservative
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Best Local Similarity
Matches 14; Conserv
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US-09-677-192-67
                                                                                                                                                                                                RESULT 159
US-09-677-218B-68
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Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
STRUCTURE-BRIDGING OLIGONUCLEOTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURSOT PATENTON DATA:

APPLICATION NUMBER: US/09/677,218B

FILING DATE: 02-Oct-2000

CLASSIFICATION: «Unknown»

PRIOR APPLICATION NUMBER: 09/034,205
                                                                                                                                                                                                                                                                                                                           Length 16;
                                                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSE:
ADDRESSES:
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred, No. 81; Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: PORS-03268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      )
SEQUENCE DESCRIPTION: /desc = "DNA"
SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-677-218B-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: other nucleic acid
                                              FORS-03268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 67, Application US/09677218B Secuence No. 6355437 GENERAL INFORMATION:
                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "DNA" US-09-034-205-68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (415) 397-8338 INFORMATION FOR SEQ ID NO: 67:
                         REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INCE CHARACTERISTICS:
LENGTH: 16 base pairs
MacKnight, Kamrin T.
RATION NUMBER: 38,230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
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US-09-677-218B-67
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                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING OLIGONUCLEOTIDES
DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYBE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION WHERE: 02/09/677,218B
FILING DATE: 02-Oct-2000
CLASSIFICATION: CURNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 13.4; DB 1;
93.3%; Pred. No. 81;
tive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: <UNKNOWN>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-03268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
  Query Match 0.8%; Score 13.4; E Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "DNA" SEQUENCE DESCRIPTION: SEQ ID NO: 68:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/034,205
                                                                                                                                                                                                                                        Sequence 68, Application US/09677218B
Patent No. 6355437
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 67, Application US/09677192
Patent No. 6358691
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1508 CAGCCTCCAGGCCCC 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 397-8
INFORMATION FOR SEQ ID NO: 68:
                                                                                           1508 CAGCCTCCAGGCCCC 1522
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 68
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APPLICANT: Brow, Mary Ann
APPLICANT: Brow, Mary Ann
APPLICANT: Brow, Mary Ann
APPLICANT: Dahlberg, James
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotic
CURRENT APPLICATION WUMBER: US/09/402,618B
CURRENT FILING DATE: 12000-07-18
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR PLING DATE: 1298-05-05
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.0
LENGTH: 16
TYDER
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APPLICANT: Lyamichev, Victor
APPLICANT: Lyamichev, Victor
APPLICANT: Lyamichev, Victor
APPLICANT: Fordent, James
APPLICANT: Fordent, James
APPLICANT: Brow, Mary Ann
APPLICANT: Brow, Mary Ann
APPLICANT: Brow, Mary Ann
APPLICANT: Dahlberg, James
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleoti
FILE REFERENCE: FORS-04012
CURRENT APPLICATION NUMBER: US/09/402,618B
CURRENT APPLICATION NUMBER: PCT/US98/03194
PRIOR APPLICATION NUMBER: PCT/US98/03194
PRIOR APPLICATION NUMBER: PCT/US98-03194
PRIOR PLING DATE: 1998-05-05
SOFTWARE: Patentin version 3.0
SSOTTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.4; D
Best Local Similarity 93.3%; Pred. No. 81;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 68, Application US/09402618B
Patent No. 6709815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-796-031-1/c
; Sequence 1, Application US/08796031
; Patent No. 584993
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1508 CAGCCTCCAGGCCCC 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1508 CAGCCTCCAGGCCCC 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
COTHER INFORMATION: Synthetic
US-09-402-618B-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 CAGCCTCCAGGACCC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic US-09-402-618B-68
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                                                                                                                APPLICANT: Brow, Mary Ann D.
APPLICANT: Brow, Mary Ann D.
APPLICANT: Fors, Lance
APPLICANT: Fors, Lance
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
TITLE OF INVENTION: OLIGONUCLEOTIDES
FILE REFERENCE: FORS-04708
CURRENT APPLICATION NUMBER: US/09/677,192
CURRENT FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 09/034,205
PRIOR APPLICATION NUMBER: 09/034,205
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 67
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 68, Application US/09677192

Sequence 68, Application US/09677192

patent No. 6358691

GENERAL INPORMATION:

APPLICANT: Lyamichev, Victor I.

APPLICANT: Brow, Mary Ann D.

APPLICANT: Fors, Lance

APPLICANT: Neri, Bruce P.

TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

TITLE OF INVENTION: OLIGONUCLEOTIDES

TITLE REFERENCE: PORS-04708

CURRENT FILING DATE: 2000-10-02

PRIOR PILICATION NUMBER: US/09/677,192

CURRENT FILING DATE: 1998-03-03

NUMBER OF SEQ ID NOS: 68

SOFTWARE: PATENTIN Ver. 2.0

SEQ ID NO 68

LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-677-192-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , OTHER INFORMATION: Description of Artificial Sequence: Synthetic US-09-677-192-68
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 81; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 67, Application US/09402618B
Patent No. 6709815
GENERAL INFORMATION:
APPLICANT: Dong, Fang
APPLICANT: Lyamichev, Victor
APPLICANT: Prudent, James
                                                                                                 Lyamichev, Victor I.
Brow, Mary Ann D.
Fors, Lance
Neri, Bruce P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1508 CAGCCTCCAGGCCCC 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1508 CAGCCTCCAGGCCCC 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 CAGCCTCCAGGACCC 16
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US-09-402-618B-67
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
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US-08-985-090-23/c

Sequence 23, Application US/08985090

Sequence 23, Application US/08985090

Patent No. 588893

PAPLICANT: Andrew D.J. Goodearl

APPLICANT: Andrew D.J. Goodearl

TITLE OF INTENTION: MUSCARINIC RECEPTORS AND USES THEREFOR AUTHERE OF SEQUENCES: 28

CORRESPONDENCE ADDRESS:

ADDRESSE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 16;
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ZIP: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match 0.8%; Score 13; DB 1;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 13; Conservative 0; Mismatches
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER:
PILING DATE: 1 January 1997
FILING DATE: 1 January 1997
ATTORNEY/AGENT INPORMATION:
NAME: Fish, Robert D.
REGISTRATION NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/015-CIP
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.8%; Score 12.8;
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MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1239 GTTCCTTCCGGTG 1251
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-985-090-23
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Sequence 1, Application US/09055913

Patent No. 6017898

APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak

APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak

APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak

TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense

TITLE OF INVENTION: Oligonucleotides for Il-8 and Il-8 Receptor

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish

STREET: 3000 S. Augusta Court

CITY: La Habra

CITY: La Habra

CITY: La Habra

COUNTRY: United States of America

ZIP: 90631

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: Floppy disk

COMPUTER: BM PC Compatible

OPERATING SYSTEM: PC-DOS/WS-DOS

SOFTWARE: WordPerfect 6.1

CURRENT APPLICATION NUMBER: US/09/055,913

FILING DATE:
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       APPLICANT: Zbigniew Pietrzkowski, Gordana Olbina and Dariusz Cieslak TITLE OF INVENTION: Inhibition of Tumor Growth by Antisense TITLE OF INVENTION: Oligonucleotides for Il-8 and Il-8 Receptor NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSE: Crockett & Fish
STREET: 3000 S. Augusta Court
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/796,031
FILING DATE: J January 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/561,302
FILING DATE: WORDER: 08/561,302
FILING DATE: WORDER: 13,880
REGISTRATION NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/015-CIP
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHANCE: 714-525-3303
                                                                                                                                                                                                                                                                                             CITY: La Habra
STATE: California
COUNTRY: United States of America
ZIP: 90631
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , MOLECULE TYPE: DNA (genomic) US-08-796-031-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1239 GTTCCTTCCGGTG 1251
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SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
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US-09-055-913-1/c
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; Sequence 945, Application US/08757024
; Patent No. 6025339
; Patent No. 6025339
; Patent No. 6025339th Carolina
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA
; NUMBER OF SEQUENCES. 952
; CORRESPONDERCE ADDRESS:
; ADDRESSEE: BELL, SELTZER, PARK & GIBSON
; STREET: P.O. Drawer 34009
; CITY: Charlotte
; STATE: No. 6025339th Carolina
; COUNTRY: USA
              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTONEY/AGENT INPORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/POCKET NUMBER: 31,665
REFERENCE/POCKET NUMBER: 31,665
RELEPHONE: 919-881-3175
TELEFAK: 919-881-3175
TELEFAK: 919-881-3175
TELETAK: 555102
TELEX: SF5102
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTONREY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5218-41
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAK: 919-881-3175
TELEFRAK: 919-881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
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Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-024-882
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
COMPUTER READABLE FORM:
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                        2; Indels
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; Sequence 882, Application US/08757024
; Patent No. 602339
; GENERAL INFORMATION:
    APPLICANT: Nyce, Jonathan W.
    TITLE OF INVENTION: METHOD OF TREATMENT FOR ASTHMA NUMBER OF SEQUENCES: 952
; CORRESPONDERS: 952
; CORRESPONDERS: BELL, SELIZER, PARK & GIBSON STREET: P.O. Drawer 34009
; STREET: P.O. Drawer 34009
; STATE: USA
; COUNTRY: USA
                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: TBM PC compatible
COMPUTER: TBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,024
FILING DATE: 26-NOV-1996
CLASSIFICATION: 514
ATTOKNEY/AGANT INPORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 31,665
RELEPRAK: 919-881-3175
TELEFPAK: 919-881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%; Score 12.8; D
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches
Best Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1531 CCCAGCCTCTCCCCGC 1546
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US-08-757-024-875
                                                                         72 GTGGGCTGCTGCTGA 87
                                                                                                       16 GTGGGCAGCTGCTCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 575102
INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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US-08-679-645-523
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                                             DB 1; Length 16;
                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/165,543
                                           Query Match 0.8%; Score 12.8; D
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/042,780
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth A. Hanley
REGISTRATION NUMBER: 33,505
REGISTRATION NUMBER: MNI-032CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           // Sequence 523, Application US/08679645
/ Sequence 523, Application US/08679645
/ Patent No. 6350934
/ GENERAL INFORMATION:
/ APPLICANT: Zwick, Michael G.
/ APPLICANT: Zwick, Michael E.
/ APPLICANT: McSwiggen, James A.
/ APPLICANT: McSwiggen, James A.
/ APPLICANT: Merlo, Patricia Ann Owens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 25: SEQUENCE CHARACTERISTICS: LENGTH: 16 base pairs TYPE: mucleic acid STRANDEDNESS: single
                                                                                                                   1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         72 GTGGGCTGCTGA 87
MOLECULE TYPE: DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
       ; MOLECULE 11FE
US-08-757-024-945
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APPLICANT: Good, Infining
APPLICANT: Model Themse A.
APPLICANT: Model Control Scott A.
APPLICANT: Polkere, Otto
APPLICANT: Polkere, Otto
APPLICANT: Polkere, Otto
APPLICANT: Polkere, Otto
TITLE OF INVARIANCE COMPOSITION AND WITHOUS FOR
TITLE OF INVARIANCE ADDRESS: 1.243
ADDRESSE: Lyon A Mose Fith Street
STREET: Galle 4700
STREET: Galle
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RESULT 174
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US-09-093-972C-882/C
; Sequence 882, Application US/09093972C
; Sequence 882, Application US/09093972C
; Patent No. 6825174
; Patent No. 6825174
; GENERAL INFORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION: COMPOSITION, PORMULATIONS ASSOCIATED WITH
BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                     CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: UNMBER: US 08/472,527
RILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASIFICATION: <UNKNOWN>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
TELEFRAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 12.8; EBest Local Similarity 87.5%; Pred. No. 99; Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 875:
US-09-093-972C-875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 7 Clarke Drive
CITY: Cranbury
STATE: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1531 CCCAGCCTCTCCCCGC 1546
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ZIP: 08512
COMPUTER READABLE FORM:
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RESULT 174
US-09-093-972C-945/C
US-09-093-972C-945, Application US/09093972C
; Sequence 945, Application US/09093972C
; Patent No. 6825174
; GENERAL INPORMATION:
; GENERAL INPORMATION:
; APPLICANT: Nyce, Jonathan W.
; TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION
; TITLE OF INVENTION:
DRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION

BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
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ZIP: 08512
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFTCATION: cUnknown>
PRIOR APPLICATION NUMBER: US 08/472,527
APPLICATION NUMBER: US 08/472,527
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/757,024
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/77,024
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/77,024
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/77,024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%; Score 12.8; DB 1; Length 16; 87.5%; Pred. No. 99; ive 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC
STREET: 7 Clarke Drive
                                                                           FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
ATTORNEY/AGENT INFORMATION:
NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: EPI-00672
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-409-3035
                          FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLGGY: linear MOLECULE TYPE: DNA (genomic) SEQUENCE DESCRIPTION: SEQ ID NO: 882: US-09-093-972C-882
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 413-254-9245
TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 882:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Cranbury
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 87.5'
Matches 14; Conservative
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Length 14;

DB 1;

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Query Match
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Sequence 97, Application US/08650093C
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kevin P. Anderson et al.
TITLE OF INVENTION: Compositions And Methods For Treatment
Hepatitis C Virus-Associated Diseases
                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTR: NU
COUNTRY: NU
COUNTRY: NUSA
ZIP: 08053
COMPUTER: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: TBM COMPATIBLE
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDERFECT 6.1 for Windows
SOFTWARE: WORDERFECT 6.1 for Windows
CURRENT APPLICATION NUMBER: US/08/650,093C
FILING DATE: 17-May-1996
CLASSIFICATION NUMBER: 08/45,841
APPLICATION NUMBER: 08/45,841
FILING DATE: May 30, 1995
APPLICATION NUMBER: 08/397,220
FILING DATE: Maxch 9, 1995
ATTORNEY AGENT INFORMATION:
ATTORNEY AGENT INFORMATION:
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                      Ouery Match
0.8%; Score 12.8; DB 1; Length 16;
Best Local Similarity 87.5%; Pred. No. 99;
Matches 14; Conservative 0; Mismatches 2; Indels
REFERENCE/DOCKET NUMBER: EPI-00672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Jane Massey Licata
REGISTRATION NUMBER: 32.257
REFERENCE/DOCKET NUMBER: 1SPH-
TELECOMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
THEFRAX: (609) 779-4848
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 118
CORRESPONDENCE ADDRESS:
ADDRESSEE: LICATA & TYRRELL P.C.
STREET: 66 E. Main Street
CITY: Mariton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-08-650-093C-97
                                                                                                                                                                                                                        TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 945:
US-09-093-972C-945
                 TELECOMMUNICATION INFORMATION
TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
                                                                                  TELEX: «UNKNOWN»
INFORMATION FOR SEQ ID NO: 945:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                             1530 GCCCAGCCTCTCCCCG 1545
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 GCCCAGCCTGTGCCCG 1
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US-08-650-093C-97
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## Sequence 172, Application US/09720435A

## Sequence 172, Application US/09720435A

## Sequence 172, Application US/09720435A

## Parent No. 68031B4:

## CENERAL INFORMATION:

## PPLICANT: Stuyver, Lieven

## TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease

## TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease

## TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease

## TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease

## TITLE OF INVENTION: ## Application NUMBER: US/09/720,435A

## PRIOR PELING DATE: 1998-06-22

## PRIOR PELING DATE: 1998-06-24

## NUMBER OF SEQ ID NOS: 529

## SEQ ID NO 172

## SEQ ID NO 172

## INVENTIOR OF TITLE OF TITLE
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                                                                                Gaps
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APPLICANT: Apple, Raymond J.
APPLICANT: Begovich, Ann B.
APPLICANT: Bugawan, Teodorica L.
APPLICANT: Bugawan, Teodorica L.
APPLICANT: Elich, Henry A.
APPLICANT: Scharf, Stephen J.
TITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA TITLE OF INVENTION: Methods and Reagents for HLA DRBeta DNA TITLE OF INVENTION: Methods and Reagents for HLA DRBESS 315
CORRESPONDENCE ADDRESS:
ADDRESSE: ALFAMANIA STEPESS:
ADDRESSE: ALFAMANIA STEPESS:
ADDRESSE: New Jersey
COUNTRY: US.A.
STATE: New Jersey
COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: Betentin Release #1.0, Version #1.25
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,073
ATLIANG DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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Pred. No. 88;
0; Mismatches
    Query Match 0.8%; Score 12.4; D
Best Local Similarity 85.7%; Pred. No. 88;
Matches 12; Conservative 1; Mismatches
Score 12.4;
Pred. No. 88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Aids-associated retrovirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 65, Application US/08050073; Patent No. 5567809; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%;
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ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
                                                                                                                                                                             1510 GCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        37 GAATTGGAGGCATG 50
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Matches 13; Conservative
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1508 CAGCCTCCAGGCCC 1521
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-182-968A-422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g
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                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 178

US-08-182-968A-2

Sequence 2, Application US/08182968A

Patent No. 5610054

GENERAL INFORMATION:
APPLICANT: DIADPER, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: URBUSTRING HEPATITIS C TITLE OF INVENTION: URBUS REPLICATION
NUMBER OF SEQUENCES: 497

CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: Suite 4700
CITY: Los Angeles
STRATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 3.37

REDICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1994
PRIOR APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1994
PRIOR APPLICATION NUMBER: 32,327
REFERENCE DOCKER NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 8769
TELECOMMUNICATION INFORMATION:
TELEFAX: (510) 814-2974
TELEFAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 65:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1074 GAGCTGCTAAAGTC 1087
                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (213/ 305-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 92.99
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-182-968A-2
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Gaps
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RESULT 179
US-08-182-968A-422/C
is Sequence 422, Application US/08182968A
is Patent No. 5610054
GENERAL INFORMATION:
HITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: INHIBITING HEPATITIS C
COUNTRY: Los Angeles
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-206
COMPUTER READABLE FORM:
MEDIUM TYPE: 31.5" Diskette, 1.44 Mb
MEDIUM TYPE: 35.0 Diskette, 1.44 Mb
MEDIUM TYPE: 8torage
COMPUTER: IBM Compatible
COMPUTER: BM Compatible
COMPUTER: Ward Perfect 5.1
CURRENT APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION NUMBER: 07/882,888
FILING DATE: H-MAY-1992
ATTORNEY AGENT INFORMATION:
TELEPHONE: (213) 955-0440
TELER: 67-3510
INFORMATION FOR SEO ID NO: 422:
SEQUENCE CHARACTERISTICS:
LEWITH - 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 180
US-08-182-968A-423/C
; Sequence 423, Application US/08182968A
; Patent No. 5610054
; Patent No. 5610054
; Tarle OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VINUS REPLICATION
; UNMBER OF SEQUENCES: 497
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LYON & LYON
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-363-240A-528

US-08-363-240A-528

Sequence 528, Application US/08363240A

Patent No. 5705388

GENERAL INFORMATION:
APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bigglen, James
APPLICANT: Bigglen, James
APPLICANT: Bage, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PROGRESSION AND REGRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: Suite 4700
CITY: Los Angeles
STATE: COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: World Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WASDULG, RICHARD
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REDECOMMUNICATION INFORMATION:
THERCOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READBABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 528:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1309 TAGAAGTCTCCAGG 1322
                                                                                                                                                                                                                   TELEFAX: (213) 955-0440
TELEX: (7-3510
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 UAGAAGUCUCCAAG 14
                                                                                                                                                                                                                                                                                                                                                                                          linear
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US-08-363-240A-237
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 16+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-363-240A-237
US-08-363-240A-237
Sequence 237, Application US/08363240A
Patent No. 5705388
Patent No. 5705388
PEDEIGANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Biggaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: PROCRESSION AND REAGENT FOR
TITLE OF INVENTION: PROCRESSION AND RECRESSION
TITLE OF INVENTION: PROCRESSION AND RECRESSION
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Galifornia
STREET: California
STREET: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 8torage
COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATE:
FILING DATE: December 23, 1994
                                                                                              COUNTRY: 0.5.4.

ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: WASTERM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13.4DANUARY-1994
PRIOR APPLICATION NUMBER: 07/882,888
FILING DATE: 13.4DANUARY-1992
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard J.
RECESENCE CAIS 489-1600
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: 67-3510
TELEEX: 67-3510
TELEEX: 67-3510
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       870 ATACGAGAAGGCGA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 92.9'
Marches 13, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 ATACGATAAGGCGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                   STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                            U.S.A.
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US-08-182-968A-423
                                                                                         COUNTRY:
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RESULT 185
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                                                                                                            Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 78.6%; Pred. No. 1e+02; Matches 11; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                        RESULT 183
US-08-363-240A-529
i Sequence 529, Application US/08363240A
j GENERAL INFORMATION:
APPLICANT: MCSWiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Biggaier, Charles
APPLICANT: Biggaier, Charles
APPLICANT: Pape, Michael
i TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STRRET: Suite 4700
CITY: LOS Angeles
STRRET: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER IBM COMPATIBLE
COMPUTER IBM COMPATIBLE
COMPUTER IBM P.C.
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/363,240A
FILING DATE: December 23, 1994
RILING DATE: December 23, 1994
RILING DATE: TOWNER: US/08/363,240A
FILING DATE: December 23, 1994
RELIANG APPLICATION DATA:
APPLICATION NUMBER: 23, 120/096
REGISTRATION NUMBER: 32, 32, 327
REGISTRATION NUMBER: 32, 32, 327
REJERAN: (213) 489-1600
TELEFAN: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%;
Best Local Similarity 78.6%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           841 CGGCCTTCCAGCAC 854
                                                                                                                                                                                                                           841 CGGCCTTCCAGCAC 854
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY:
US-08-363-240A-528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90071
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KESULT 187

US-08-452-724A-30/C

US-08-452-724A-30/C

Sequence 30, Application US/08452724A

Patent No. 5830650

GENERAL INFORMATION:
PAPLICANT: Crea, Roberto

TITLE OF INVENTION: Walk-Through Mutagenesis

NUMBER OF SEQUENCES: 59

CORRESPONDERGE 59

CORRESPONDERGE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Z Militia Drive

COUTY: Lexington

STATE: WA

COUNTRY: USA

ZIP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA

ZER: 02173

CMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BEM PC compatible
COMPUTER: BEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN BATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/452,724A
FILING DATE: 03-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,600
FILING DATE: 05-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/02362
FILING DATE: 05-APR-1991
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
FILING DATE: 05-APR-1991
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 5.5" Diskette, 1.44 Mb
MEDIUM TYPE: 5.5" Diskette, 1.44 Mb
MEDIUM TYPE: 5.0x age
COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION DATA: including application
PRIOR APPLICATION DATA: described below:
APPLICATION DATA: described below:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: January 19, 1992
APPLICATION NUMBER: 32,327
ATTORNEY/AGENT INFORMATION:
NAME: WARDING, RICHARD J.
REJERANCE/DOCKET NUMBER: 209/166
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFX: (213) 955-0440
TELEFX: 67-3510
TELEFX: (213) 958-160
TELEFX: 67-3510
TELEFX: (213) 958-0406
TELEFX: (213) 958-0406
TELEFX: 350UENCE: CHARATTERIESTICS:
LENGTH: 15 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    371 CCTCTGGGAAGAGT 384
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/311,486C
FILING DATE: September 23, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/008,993
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg Nichard J.
RECTSTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/166
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGULT 189

REGULT 189

Sequence 687, Application US/08311486C

Sequence 687, Application US/08311486C

GENERAL INFORMATION:
APPLICANT: Sean Sullivan
APPLICANT: Kenneth Draper
APPLICANT: Kenneth Draper
APPLICANT: Games McSwiggen
APPLICANT: Dan T. Stinchcomb
APPLICANT: Danes McSwiggen
APPLICANT: DANESTION: RELATED TO LEVELS OF
TITLE OF INVENTION: TNF'
NUMBER OF SEQUENCES: 1157
AUMBER OF SEQUENCES: 1157
CORRESPONDENCES: 1157
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTRY READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STORAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 533:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1391 GGAGTGAGATGTGG 1404
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Gaps

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                                      Query March 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 85.7%; Pred. No. 1e+02; Matches 12; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                               RESULT 189
US-08-774-306A-422/C

Sequence 422, Application US/08774306A

PATERIAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: URUS REPLICATION
NUMBER OF INVENTION: URUS REPLICATION
NUMBER OF SEGUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: California
COUNTRY: US.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
COMPUTER: 1BM Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: JANUARY 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARDLEY, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 223/227
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     422:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                   1508 CAGCCTCCAGGCCC 1521
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                                                                                                                                                                2 CAGCCUCCAGGACC 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-774-306A-2
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Sequence 2, Application US/08774306A

Fatent No. 5669253

GENERAL INFORMATION:

APPLICANT: Draper, Kenneth G.

TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION

NUMBER OF SEQUENCES: 497

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700

CITY: Los Angeles
COMPUTER: IBM COMPATIBLE

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: BACABGE

COMPUTER: IBM COMPATIBLE

COMPUTER: IBM P.C. DOS 5.0

SOFTWARE: WORD PERFECT 5.1

COMPUTER: DECEMBER 1996

PRIOR APPLICATION NUMBER: 08/182,968

FILING DATE: January 13, 1992

APPLICATION NUMBER: 07/882,888

FILING DATE: January 13, 1992

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 223/27

TELEPONGUICATION INFORMATION:

REGISTRATION NUMBER: 2323/27

TELEPONGUICATION INFORMATION:

TELERA: 67-3510

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH . 1
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/505,314
FILING DATE: US 07-505,314
FILING DATE: US 07-505,314
ATTORNEY/AGENT INFORMATION:
NAME: Brook Esq., David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: RC90-01AZ
TELEPHONE: (617) 861-9540
TELEPHONE: (617) 861-9540
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENOTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1303 TCCCTGTAGAAGTC 1316
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STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                           US-08-452-724A-30
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ö Gaps ö RESULT 190
US-08-774-306A-423/c
; Sequence 423, Application US/08774306A
; Parent No. 5869253
; GENERAL INFORMATION:

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Gaps
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US-09-064-156A-422/C

US-09-064-156A-422/C

Sequence 422, Application US/09064156A

Sequence 422, Application US/09064156A

Sether No. 6132966

GENERAL INFORMATION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
ADDRESSEE: Lyon & Lyon
STREET: 633 Weat Pith Street
STREET: Suite 4700

CITY: Los Angeles
STREET: Suite 4700

CITY: Los Angeles
STREET: U.S.A.
ZIP: 90071-206

CONNTRY: U.S.A.
ZIP: 90071-206

COMPUTER READABLE FORM:
MEDIUM TYPE: 31-5 Diskette, 1.44 Mb
MEDIUM TYPE: 35-5 Diskette, 1.44 Mb
MEDIUM TYPE: 35-7 Diskette, 1.44 Mb
MEDIUM TYPE: 31-7 Diskette, 1.44 Mb
MEDIUM TYPE: 31-7 Diskette, 1.44 Mb
MEDIUM TYPE: 31-7 Diskette, 1.998

MEDIUM TYPE: 10-8 Application DATA:
CURRENT APPLICATION DATA:
SOFTWARE: World Perfect 5.1
CURRENT APPLICATION DATA:
SOFTWARE: Mord Perfect 5.1
CURRENT APPLICATION NUMBER: 08/774,306
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,988
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOCTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: April 21, 1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/774,306
FILING DATE: Docember 26, 1996
APPLICATION NUMBER: 07/882,968
FILING DATE: JOHNARY 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: MANUMER: 07/882,888
FILING DATE: MAY 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WATALON SKICHATON:
NAME: WATALON SKICHATON:
TELECOMMUNICATION NUMBER: 234/083
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1508 CAGCCTCCAGGCCC 1521
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STRANDEDNESS: single
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Sequence 2, Application US/09064156A
Sequence 2, Application US/09064156A
Sequence 2, Application
Sequence 2, Application
Sequence 3, Application
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: WINIBILITING HERATITIS C
TITLE OF INVENTION: URBIBITING HERATITIS C
TITLE OF INVENTION: URBIBITING HERATITIS C
TITLE OF INVENTION: URBIBITING HERATITIS C
STREET: SEQUENCES: 498
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: Los Angeles
STREET: Suite 4700
CITY: Los Angeles
STREET: Suite 4700
CITY: Los Angeles
STREET: U.S.A.
COUNTXY: U.S.A.
ZIP: 90071-2066
COMUTXY: U.S.A.
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                       APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 Weat Fith Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: ESCAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: DATA: 08/182,968
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Marburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 423:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                     CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
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US-08-774-306A-423
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US-09-064-156A-2
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US-09-081-646-326

US-09-081-646-326

Sequence 326, Application US/09081646

Facent No. 6333152

GENERAL INFORMATION:

APPLICANT: Vegelerein, Bert

APPLICANT: Zhou, Wei

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

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TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

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TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Gene Expression Profiles Invention Profiles I
                                                                                                                                                                                                                                                                                                                                                  Score 12.4; DB 1; Length 15;
Pred. No. 1e+02;
0; Mismatches 1; Indels
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Pred. No. 1e+02;
0; Mismatches 1; Indels
                          Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1e+02; Matches 13; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 92.9%;
Matches 13; Conservative (
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Best Local Similarity 92.9%;
Matches 13; Conservative
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US-09-081-646-126
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US-09-081-646-326
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Pred. No. 1e+02;
0; Mismatches 1; Indels
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US-09-064-156A-423/C
US-09-064-156A-423/C
Sequence 423, Application US/09064156A
Patent No. 6132966
GENERAL INFORMATION:
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: APPLICATION OF SECURITY: LOS Angeles
STATE: Suite 4700
CITY: LOS Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-260
COUNTRY: U.S.A.
ZIP: 90071-260
COMPUTER READABLE FORM:
MEDIUM TYPE: atorage
COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
COMPUTER: MADIA: APPLICATION DATA:
APPLICATION NUMBER: US/09/064,156A
FILING DATE: APPLICATION:
APPLICATION NUMBER: 08/774,306
FILING DATE: DECEMBER 26, 1996
APPLICATION NUMBER: 08/774,306
FILING DATE: DECEMBER 26, 1996
APPLICATION NUMBER: 07/882,888
FILING DATE: DECEMBER 26, 1996
APPLICATION NUMBER: 07/882,888
FILING DATE: MADIA: MA
REGISTRATION NUMBER: 32,327
REFERENCE/FOCKET NUMBER: 224/083
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
TELEPHONE: (213) 955-0440
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              870 ATACGAGAAGGCGA 883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15 ATACGATAAGGCGA 2
                                                                                                                                                                                                                                                                                                                                                              ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-064-156A-422
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-064-156A-423
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                                                                            Sequence 808, Application US/09081646
; Patent No. 63331552
; GENERAL INFORMATION:
; APPLICANT: Kinzler, Kenneth
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zhang, Lin
; APPLICANT: Zhang, Lin
; APPLICANT: Zhang, Lin
; TITLE OF INVENTION: Cancer Cells
; FILE REFERENCE: 01107.74664
; CURRENT FAPLICATION NUMBER: 60/047,352
; BARLIER APPLICATION NUMBER: 60/047,352
; BARLIER FILING DATE: 1997-05-20
; SOFTWARE: PASESEQ for Windows Version 3.0
; SOFTWARE: PASESEQ for Windows Version 3.0
; TANGER OF 180 180 180
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COMPUTER IBM PC compatible
COMPUTER: IBM PC compatible
OSPERATING SYSTEM: PC-DOS/MS-DOS
OSPERATING SYSTEM: PC-DOS/MS-DOS
OSPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,623
FILING DATE: 09-May-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION NUMBER: US 07/930,600
FILING DATE: 05-APR-1991
APPLICATION NUMBER: PCT/US91/02362
FILING DATE: 05-APR-1991
APPLICATION NUMBER: US 07/505,314
FILING DATE: 05-APR-1990
ATTORNEY/AGENI INFORMATION:
NAME: BEFOCK, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/OCKET NUMBER: RC90-01AY
TELECOMMUNICATION INDREMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1e+02; tive 0; Mismatches 1; Indels
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Best Local Similarity 92.9°
Matches 13; Conservative
CATGGGCTGCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-081-646-808
                                                                       RESULT 196
US-09-081-646-808
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RESULT 198
US-09-720-435A-171
; Sequence 171, Application US/09720435A
; Patent No. 6803187
; GENERAL INFORMATION:
; APPLICANT Stuyver, Lieven
; TITLE OF INVENTION Method for detection of drug-selected mutations in the protease
; TITLE OF INVENTION: Method for detection of drug-selected mutations in the protease
; TITLE OF INVENTION: Gene
; TITLE OF INVENTION: Gene
; TITLE OF INVENTION WHERE: US/09/720,435A
; CURRENT PILING DATE: 1999-06-22
; PRIOR PILING DATE: 1999-06-22
; PRIOR PILING DATE: 1999-06-24
; NUMBER OF SEQ ID NOS: 529
; SOFTWARR: PatentIn version 3.2
; SOFTWARE: PatentIn version 3.2
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                                                                                                           TOPOLOGY: unknown SEQ ID NO: 30: US-08-453-623-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA CORGANISM: Aids-associated retrovirus US-09-720-435A-171
(617) 861-9540
                    INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
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Listing first 298 summaries
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0; Gaps 0;	PAT 07-SEP-2000		0; Gaps 0;		PAT 20-APR-2002			0; Gaps 0;	PAT 20-DEC-2002	
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ocal Similarity 90.6%; Pred. No. 8.1; 8 29; Conservative 0; Mismatches 3 129 GACAATGACCTCAGGAAATGTCCAATCAGG 160	z	SM Unknown. Unclassified. Unclassified. E 1 (bases 1 to 26) S Chenchik,A., Jokhadze,G. and Bibilashvilli,R Methods of assaying differential expression L Patent: US 594076-A 747 30-NOV-1999; Location/Qualifiers 1. 26 /organism="unknown" /mol_type="unassigned DNA"	1.6%; Score 26; DB 1; Similarity 100.0%; Pred. No. 6.5; 6; Conservative 0; Mismatches mencantaadgachachachag 959	TGCGGATGAAGGACCAGTGTGACAAG 26	2.	Unknown. Unknown. Unclassit (Location/Que 1.26	26; Conservative 0; Mismatches 4 TGCGGATGAAGGACCAGTGTGACAAG 959	AR259816 Sequence 747 AR259816	_
Best Local Matches ? Qy 123	Db RESULT 2 AR090627 LOCUS DBFINITION ACCESSION VERSION KEYWORDS SOURCE	ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES SOUICE	Query Match Best Local Matches 2	÷ 8	RESULT 3 AR197662 LOCUS DEFINITION ACCESSION VERSION KEYWORDS	SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL	FEATURES SOURCE Query Match Best Local	Matches Qy 93. Db	RESULT 4 AR259816 LOCUS DEFINITION ACCESSION	VERSION KEYWORDS SOURCE ORGANISM
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Unclassified.
1 (bases 1 to 25)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Chenchis, A., Jokhadze,G. and Sibilashvilli,R.
Chenchis of assaying differential expression
Patent: US 6352829-A 748 05-WAR-2002;
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R.
Methods of assaying differential expression
Patent: US 5994076-A 748 30-NOV-1999;
Location/Qualifiers
         Chenchik, A., Jokhadze, G. and Bibilashvilli, R.. Chenchik, A., Jokhadze, G. and Bibilashvilli, R.. Methods of assaying differential expression Patent: US 6489455-A 747 03-DEC-2002; Location/Qualifiers
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Sequence 748 from patent US 5994076.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
              PAT 20-DEC-2002
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Pred. No. 13;
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Rnai probes targeting cancer-related proteins
Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 57 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                                                                                                                                                               Unclassified.

1 (bases 1 to 25)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
Patent: US 6489455-A 748 03-DEC-2002;
Location/Qualifiers
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Sequence 60 from Patent WO2004018676.
CQ786172
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1.5%; Score 25; DB 1;
Best Local Similarity 100.0%; Pred. No. 8.2;
Matches 25; Conservative 0; Mismatches
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    .23
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AR259817
Sequence 748 from patent US 6489455.
AR259817
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CQ786113 21 bp DN Sequence 1 from Patent WO2004018676.
                                                                                                                                                                                                                                                                                                                                         Unclassified.
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Unclassified.
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CQ786113
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AR208706/c
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AR038687
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               Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches 0; Indels
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 63 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 200401867-6. 66 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
                                           Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 60 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 66 from Patent WO2004018676.
CQ786178 GI:45721281
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/db_xref="taxon:9606"

    .23
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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/organism="Homo sapiens"
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                                 Gonos, E
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CQ786175
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CQ786178
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Miller, W.L., Lin, D. and Strauss, J.F. III.
Identification of gene mutations associated with congenital lipoid
adrenal hyperplasia
Patent: US S807678-A 21 15-SEP-1998;
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Monia B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 5 07-MAY-2002;
Location/Qualifiers
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1.4%; Score 23; DB 1;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 23; Conservative 0; Mismatches
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1.3%; Score 21; DB 1;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches
                                                      Query Match 1.4%; Score 23; DB 1; Best Local Similarity 100.0%; Pred. No. 13; Matches 23; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
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/organism="unknown"
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Sequence 5 from patent US 6383808.
AR208706
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PAT 24-MAR-2004

linear

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RESULT 18
CQ786117
LOCUS
DEFINITION
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SOURCE
ORGANISM
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CQ786116/C
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Gonos, E.
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Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                     Gonos, E. Rnai probes targeting cancer-related proteins Rnai probes targeting cancer-related proteins Patent: WO 2004018676-A 1 04-MAR-2004, The University of British Columbia (CA) Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/mol_txpe="taxon:3260"
/db_xref="taxon:3260"
/note="RNAi for human clusterin"
                                                                                                                                                                                                 1. .21
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/organism="synthetic construct"
/organism="synthetic construct"
/organism="synthetic construct"
/db xref="taxon:32630"
/noTe="RNAi for human clusterin"
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synthetic construct
other sequences; artificial sequences.
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                                           synthetic construct
synthetic construct
other sequences; artificial sequences.
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Sequence 2 from Patent WO2004018676.
CQ786114
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 CQ786113
CQ786113.1 GI:45721216
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CQ786114/c
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CQ786115
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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tive 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0; Indels
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Rnai probes targeting cancer-related proteins
Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 5 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 3 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/noEe="RNAi for human clusterin"
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/mol_trafe="texon:33630"
/note="RNAi for human clusterin"
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CQ786116
CQ786116.1 GI:45721219
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Patent: WO 2004018676-A 59 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 2004018676-A 61 04 WAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/note="RNAi for human clusterin"
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Sequence 61 from Patent W02004018676.
CQ786173 GI:45721276
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                                  CQ786171 21 bp DNA Sequence 59 from Patent WO2004018676.
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other sequences; artificial sequences.
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CQ786171.1 GI:45721274
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CQ786171/c
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VERSION
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1.3%; Score 21; DB 1; Length 21;
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Rnai probes targeting cancer-related proteins
Patent: WO 2004018676-A 58 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Patent: WO 2004018676-A 6 04.MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/mol type="unassigned DNA"
/note="RNAi for human clusterin"
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Sequence 58 from Patent WO2004018676.
CQ786170 GI:45721273
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Seguence 6 from Patent WO2004018676.
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CQ786614/c
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Patent: WO 2004018676-A 65 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Rnai probes targeting cancer-related proteins
Ratent: WO 2004018676-A 64 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 65 from Patent WO2004018676.
CQ786177.1 GI:45721280
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100.0%; Pred. No. 20;
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Sequence 64 from Patent WO2004018676.
CQ786176 GI:45721279
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CQ786177/c
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CQ786176
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches 0
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/noTe="RNA! for human clusterin"
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Sequence 3 from Patent WO2004018675.
CQ786614

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RESULT 28
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammālia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                     Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 9 04-MAR-2004;
Patenti WO 2004018675-A 9 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
                                                                                               Jansen, B.
Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 7 04-MAR-2004;
Patent: WO Experies Columbia (CA); Gleave, Martin E. (CA)
The University of British Columbia (CA);
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Sequence 8 from Patent WO2004018675.
CQ786619 GI:45721639
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Sequence 9 from Patent WO2004018675.
CQ786620.1 GI:45721640

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    /db_xref="taxon:9606"

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21 TGACCGCATCGACTCCCTGCT 1
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Homo sapiens (human)
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 2004018675-A 6 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 5 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Sequence 7 from Patent WO2004018675.
CQ786618.1 GI:45721638
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CQ786617
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Sequence 5 from Patent WO2004018675.
CQ786616.1 GI:45721636

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  21 ATGATGAAGACTCTGCTGCTG
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RESULT 29 CQ786617/C LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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RESULT 30 CQ786618/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/mol_type="unassigned DNA"
/mol_type="topsized"
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                                               Sequence 12 from Patent WO2004018675.
CQ786623
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other sequences; artificial sequences.
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1.3%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 20;
Matches 21; Conservative 0; Mismatches

    .21
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                              1.3%; Score 21; DB 1;
Similarity 100.0%; Pred. No. 20;
21; Conservative 0; Mismatches
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Jansen, B.

Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 36 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels
Parent: WO 2004018675-A 25 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
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Matches 21; Conservative
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                                 Jansen, B.

Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 21 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E.
Location/Qualifiers
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Matches 21; Conservative 0; Mismatches 0; Indels
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/db xref="taxon:32630"
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                                                                                                                                 1. .21
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/organism="synthetic construct"
/or_type="unassigned DNA"
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Sequence 23 from Patent W02004018675.
CQ786634 GI:45721654
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Sequence 22 from Patent WO2004018675.
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Jansen, B.
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/noce="RNA1 for human clusterin"
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/organism="synthetic construct"
/organism="synthetic construct"
/or_type="unassigned DNA"
/db xref="taxon:32630"
/note="RNAi for human clusterin"
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other sequences; artificial sequences.
                          21 bp DNA
Sequence 37 from Patent WO2004018675.
CQ786648
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other sequences; artificial sequences.
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100.0%; Pred. No. ----
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                                                                             CQ786648.1 GI:45721668
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Best Local Similarity 100.
Matches 21; Conservative
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CQ786650/c
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Treatment of melanoma by reduction in clusterin levels
Treatment of Melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 41 04-WAR-2004;
The University of British Columbia (CA); Gleave, Martin B.
Location/Qualifiers
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 39 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin Location/Qualifiers
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Live 0; Mismatches 0; Indels
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Pred. No. 20;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="RNAi for human clusterin"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
mol_type="topsized bla"
/note="RNAi for human clusterin"
                                                                                             1. 21 /organism="synthetic construct" /organism="synthetic construct" /mol type="unassigned DNA" /mol type="taxon:32630" /nole="RNAi for human clusterin"
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synthetic construct
other sequences; artificial sequences
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Best Local Similarity 100.
Matches 21; Conservative
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Canis familiaris (dog)

Canis familiaris

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.

1 (bases 1 to 24)

25 Galibert, F. and Andre, C.

Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

1 (bases) 1 to 24)

2 Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

1 (bases) 1 to 24)

2 Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

2 Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

3 Total genome radiation hybrid map of canine genome and its use for identification of interesting genes

4 Total genome radiation hybrid map of canine genome and its use for identifiers

5 Total genome radiation hybrid map of canine familiaris (dog).

6 Totalis familiaris (dog)

7 Total substantifiers

8 Totalis familiaris (dog).

8 Totalis familiaris (dog).
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.
Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2421 27-APR-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                 ce 1. 24 /organism='Canis familiaris (dog)'. Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.3%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 32; Matches 22; Conservative 0; Mismatches 2; Indels
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1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches 0; Indels
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    .24
    forganism="Canis familiaris"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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AR531218
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Millis,A.J.T.
Compositions and methods for altering cell migration
Patent: 18 6464975-A 14 15-OCT-2002;
Location/Qualifiers
     Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 20; Matches 21; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 20;
tive 0; Mismatches 0; Indels
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Unknown.
Unclassified.

E 1 (bases 1 to 21)

A Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin expression

Antisense inhibition of clusterin expression

Location/Qualifiers

Location/Qualifiers
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Sequence 14 from patent US 6464975.
AR236282. GI:27280110
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Sequence 6 from patent US 6383808.
AR208707
AR208707.1 GI:21509932
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/organism="unknown"
/wol_type="genomic DNA"
                                                                               1613 AACTAATTCAATAAACTGTC 1633
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BD230318.1 GI:33040088
JP 2002530091-A/187.
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AR208707
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BD230318
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PAT 08-OCT-2004

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AX097243
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.O. and
McCarthy, J.J.
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Lander, E.S., Cargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and McCarthy, J.J.
Single hucleotide polymorphisms in genes
Patent: US 6727063-A 2433 27-APR-2004;
Location/Qualifiers
Unknown.
Unclassified.
Unclassified.
1 (bases 1 to 21)
Lander,E.S., Cargill,M., Ireland,J.S., Bolk,S., Daley,G.Q. and
Lander,E.S., Cargill,M., Isolander,E.S., Single nucleotide polymorphisms in genes
Patent: US 6727063-A 2422 27-APR-2004;
Location/Qualifiers
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1.3%; Score 20.6; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches 0; Indels
                                                                                                                                                        DB 1; Length 21;
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Patent: US 6727063-A 2424 27-APR-2004;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                      21 bp DNi
US 6727063.
                                                                                                                                                        Query Match
1.3%; Score 20.6; D
Best Local Similarity 95.2%; Pred. No. 23;
Matches 20; Conservative 1; Mismatches
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
                                                                                                         1. .21
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/mol_type="genomic DNA"
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Sequence 2423 from patent
AR531220
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AR531221.1 GI:53919658
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Unclassified.
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Best Local Similarity
Matches 20; Conserv
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AR531221
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PAT 30-MAR-2001
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                               Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inder, E.S., Gargill, M., Ireland, J.S., Bolk, S., Daley, G.Q. and Mccarthy, J.J.
Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 2422 15-WAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
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Single nucleotide polymorphisms in genes
Patent: WO Oll8250-A 2421 15-WAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
Location/Qualifiers
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Sequence 2422 from Patent WO0118250.
AX097244
AX097244.1 GI:13513640
      DNA
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1.3%; Score 20.6; D
1. Similarity 95.2%; Pred. No. 23;
20; Conservative 1; Mismatches
    AX097243 21 bp DN Sequence 2421 from Patent WO0118250. AX097243 AX097243.1 GI:13513638
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Homo sapiens
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Best Local Similarity 95.2
Matches 20; Conservative
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Breban,M., Gidrol,X., Marion,S. and Chiocchia,G.
Microarrays allowing molecular profilling of rheumatoid arthritis
Comparatively to osteoarthritis andtheir use
Patent: WO 2004035827-A 5 29-APR-2004;
INSERM, The French Institute of Health and Medical Resear ch (FR);
ASSISTANICE PUBLIQUE - HOPITAUX DE PARIS (FR); COMMISSARIAT A
L'ENERGIE ATOMIQUE (FR)
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Microarrays allowing molecular profiling of rheumatoid arthritis
comparatively to osteoarthritis andheir use
Patent: WO 20040358274 6 29-APR-2004,
INSERM, The French Institute of Health and Medical Resear ch (FR)
ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS (FR); COMMISSARIAT A
L'ENERGIE ATOMIQUE (FR)
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1. .20
/note="CLU forward primer for PCR"
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Sequence 6 from Patent WO2004035827.
CQ803454
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100.0%; Pred. No. 24;
tive 0; Mismatches
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1. .70
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Sequence 14 from patent US 6383808.
AR208715.1 GI:21509942
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Best Local Similarity 100.(
Matches 20; Conservative
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CQ803454/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Patent: WO 0118250-A 2423 15-MAR-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
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Single nucleotide polymorphisms in genes
Patent. WO 0118250-A 2424 15-MAR-2001;
WHITEBEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Millennium
Pharmaceuticals, Inc. (US)
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           AX097245 21 bp DNA Sequence 2423 from Patent W00118250. AX097245
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Sequence 5 from Patent WO2004035827.
CQ803453.1 GI:47110310
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Sequence 2424 from Patent WO0118250.
AX097246

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/db_xref="taxon:9606"
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Location/Qualifiers
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AX097246
LOCUS
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Unknown.

Unclassified.

E 1 (bases 1 to 20)

KS Monia.B.P. and Freier,S.M.

Antisense inhibition of clusterin expression

In Patent: US 6383808-A 17 07-MAY-2002;
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression Patent: US 6383808-A 18 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 19 from patent US 6383808.
AR208720
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Sequence 17 from patent US 6383808.
AR208718
AR208718.1 GI:21509946
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/organism="unknown"
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Antisense inhibition of clusterin expression
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Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 15 07-MAY-2002;
Location/Qualifiers
                       Monia, B.P. and Freier, S.M. Antisense inhibition of clusterin expression Patent: US 6383808-A 14 07-MAY-2002;
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Sequence 16 from patent US 6383808.
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Sequence 15 from patent US
AR208716
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Matches 20; Conservative 0; Mismatches 0; Indels
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3 1 (bases 1 to 20)
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Antisense inhibition of clusterin expression
AL Patent: US 6383808-A 22 07-MAY-2002;
Location/Qualifiers
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A Monia, B.P. and Freier, S.M.

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Antisense inhibition of clusterin expression
Patent: US 6383808-A 23 07-MAY-2002;
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/mol_type="unassigned DNA"
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Sequence 23 from patent US 6383808.
AR208724 AR208724.1 GI:21509954
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Sequence 24 from patent US 6383808.
AR208725. GI:21509955
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S Monia,B.P.
Antisense inhibition of clusterin expression
AL Patent: US 6383808-A 20 07-MAY-2002;
Location/Qualifiers
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Sequence 22 from patent US 6383808.
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/mol_type="unassigned DNA"
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Sequence 20 from patent US 6383808.
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Sequence 21 from patent US 6383808.
AR208722 48208722.1 GI:21509951
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 28 07-MAY-2002;
Location/Qualifiers
Antisense inhibition of clusterin expression
Patent: US 6383808-A 27 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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Sequence 29 from patent US 6383808.
AR208730
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Sequence 28 from patent US 6383808.
AR208729 AR208729.1 GI:21509960
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                                                                                                                                          324 ACAAAGCTGAAGGAGCTCCC 343
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AR208729/c
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AR208730/c
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 26 07-MAY-2002;
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 25 07-MAY-2002;
Location/Qualifiers
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Sequence 27 from patent US 6383808.
AR208728
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Conservative 0; Mismatches
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Sequence 26 from patent US 6383808.
AR208727 1 GI:21509957
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Sequence 25 from patent US 6383808.
AR208726
AR208726.1 GI:21509956
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
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              286 AGAAAGAGGATGCCCTAAAT 305
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Monia, B.P. and Freier, S.M.
Patisense inhibition of clusterin expression
Patent: US 6383808-A 33 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)

Monia, B. P. and Freier, S.M.

Antisense inhibition of clusterin expression

Patent: US 6383808-A 34 07-MAY-2002;

Location/Qualifiers
          DB 1;
24;
          Query Match
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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/organism="unknown"
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Sequence 33 from patent US 6383808.
AR208734
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Sequence 35 from patent US 6383808.
AR208736 1 GI:21509969
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Sequence 34 from patent US 6383808.
AR208735 1 GI:21509967
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AR208736/c
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1 (Dases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 30 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 31 07-MAY-2002;
Location/Qualifiers
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Antisense inhibition of clusterin ex
Patent: US 6383808-A 32 07-MAY-2002,
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/mol_type="unassigned DNA"
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/organism="unknown"
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          20 bp
Sequence 30 from patent US 6383808.
AR208731
AR208731.1 GI:21509962
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Sequence 31 from patent US 6383808.
AR208732. GI:21509964
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AR208732/c
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
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                                                                                                                                                                                                                                                                                                                              Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 38 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 40 from patent US 6383808.
AR208741
AR208741.1 GI:21509975
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Sequence 39 from patent US 6383808.
AR208740
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Sequence 38 from patent US 6383808.
AR208739
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AR208741/c
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E 1 (bases 1 to 20)
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Antisense inhibition of clusterin expression
Antisense inhibition of clustering expression of clustering e
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Morisense inhibition of clusterin expression
Patent: US 6383808-A 36 07-MAY-2002;
                                                                                              Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 35 07-MAY-2002;
Location/Qualifiers
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100.0%; Pred. No. 24;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 37 from patent US 6383808.
AR208738
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Sequence 36 from patent US 6383808.
AR208737
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 45 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 43 07-MAY-2002;
Location/Qualifiers
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Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 44 07-MAY-2002;
Location/Qualifiers
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20 bp
Sequence 43 from patent US 6383808.
AR208744
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Sequence 44 from patent US 6383808.
AR208745.1 GI:21509980
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Sequence 45 from patent US 6383808.
AR208746.1 GI:21509981
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/organism="unknown"
/mol_type="unassigned DNA"
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                                                AR208744.1 GI:21509979
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 20)

Monia,B.P. and Freier,S.M.

Antisense inhibition of clusterin expression

Patent: US 6383808-A 42 07-MAY-2002;

Location/Qualifiers
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Antisense inhibition of clusterin expression
Patent: 18 6 383808-A 41 07-MAY-2002;
Location/Qualifiers
       JOURNAL Patent: US 6383808-A 40 07-MAY-2002;
ATURES Location/Qualifiers

    .20
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Sequence 41 from patent US 6383808.
AR208742.1 GI:21509976
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Sequence 42 from patent US 6383808.
AR208943.1 GI:21509977
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AR208742/C
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AR208743/c
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RESULT 92 AR208747/c LOCUS

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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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1 (Dases 1 to 20)
3 Monia.B.P. and Freier,S.M.
Antisense inhibition of Clusterin expression
Antisense inhibition of Clusterin expression
L. Patent: US 6383808-A 48 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 50 07-MAY-2002;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin ex
Patent: US 6383808-A 49 07-MAY-2002;
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Sequence 50 from patent US 6383808.
AR208751
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Sequence 49 from patent US 6383808.
AR208750
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AR208750/c
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Matches 20; Conservative 0; Mismatches 0; Indels
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Matisense inhibition of clusterin expression
Patrisense inhibition 47,07-MAY-2002;
                                                                                                                                                                                                                                                                                                       Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 46 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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Sequence 48 from patent US 6383808.
AR208749
AR208749.1 GI:21509985

    .20
    /organism="unknown"
    /mol_type="unassigned DNA"

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/mol_type="unassigned DNA"
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Sequence 47 from patent US 6383808.
AR208748.1 GI:21509984
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Sequence 46 from patent US 6383808.
AR208747
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20 AGGCCTCACTTCTTTCC 1
                                                                      613 AGCTCTTCCAGGACAGGTTC 632
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RESULT 93 AR208748/c LOCUS DEFINITION ACCESSION

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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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Monia B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 55 07-MAY-2002;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"

    .20
    /organism="unknown"
    /mol_type="unassigned DNA"

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Sequence 54 from patent US 6383808.
AR208755.1 GI:21509992
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Sequence 55 from patent US 6383808.
AR208756.1 GI:21509994
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Location/Qualifiers
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Unclassified.
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AR208757/c
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AR208756/c
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AR208755/c
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E (bases 1 to 20)

KS Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin Expression
Antisense inhibition of clusterin Location/Qualifiers
                                                                                                                                                          Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Morisense inhibition of clusterin expression
Patent: US 6383808-A 51 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 53 07-MAY-2002;
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Sequence 53 from patent US 6383808.
AR208754.1 GI:21509991
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/mol_type="unassigned DNA"
                                                                 20 bp
Sequence 51 from patent US 6383808.
AR208752
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Sequence 52 from patent US 6383808.
AR208753.1 GI:21509990
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  20 CCCTTCCTTGAGATGATACA 1
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AR208753/c
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AR208754/c
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AR208752/c
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 60 07-MAY-2002;
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Sequence 61 from patent US 6383808.
AR208762 AR208762.1 GI:21510001
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/organism="unknown"
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Antisense inhibition of clusterin ex-
Patent: US 6383808-A 59 07-MAY-2002;
Location/Qualifiers
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red. No. 24;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 59 from patent US 6383808.
AR208760
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                                         967 AGAICTIGICIGIGGACTGI 986
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                                                                 20 AGATCTTGTCTGTGGACTGT 1
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  Best Local Similarity 100.0%; F
Matches 20; Conservative 0;
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AR208762/c
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AR208760/c
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L (bases 1 to 20)
R Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin expression
Location/Qualifiers
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Monia, B.P. and Freier, S.M.
Patent: US 583808-A $8 07-MAY-2002;
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Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 58 from patent US 6383808.
AR208759
AR208759.1 GI:21509997
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Sequence 57 from patent US 6383808.
AR208758
AR208758.1 GI:21509996
          Sequence 56 from patent US 6383808.
AR208757
AR208757.1 GI:21509995
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AR208759/c
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PAT 20-JUN-2002
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                                                                                                                                                    J Unknown.
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3 | (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Antisense inhibition of clusterin expression
Location/Qualifiers
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E 1 (bases 1 to 20)
S Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Location/Qualifiers
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 65 07-MAY-2002;
Location/Qualifiers
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Sequence 66 from patent US 6383808.
AR208767
AR208767.1 GI:21510007
                                                            AR208765 20 bp | Sequence 64 from patent US 6383808. AR208765.1 GI:21510005
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Sequence 65 from patent US 6383808.
AR208766.1 GI:21510006
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/organism="unknown"
/mol_type="unassigned DNA"
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AR208766/c
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AR208767/c
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AR208765/c
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Unclassified.
1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antieense inhibition of clusterin expression
Patent: US 6383808-A 63 07-MAY-2002;
Unclassified.

1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Marisense inhibition of clusterin expression
Patent: US 6383808-A 61 07-MAY-2002;
Location/Qualifiers
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Monia,B.P. and Freir,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 62 07-MAY-2002;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 62 from patent US 6383808.
AR208763.1 GI:21510002
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 63 from patent US 6383808.
AR208764
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AR208763/c
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AR208770.1 GI:21510011
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AR208772/c
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AR208771/c
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Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0; Indels
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E 1 (bases 1 to 20)

R Monia, B.P. and Freier, S.M.

Antisense inhibition of clusterin expression

Antisense.

Location/Qualifiers

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Antisense inhibition of Clusterin expression
Patent: US 6383808-A 67 07-MAY-2002;
Location/Qualifiers
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Sequence 68 from patent US 6383808.
AR208769
AR208769.1 GI:21510010
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Sequence 69 from patent US 6383808.
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 67 from patent US 6383808.
AR208768
                /organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                      1182 GAAGACCAGTACTATCTGCG 1201
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AR208770/c
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AR208768/c
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AR208769/c
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 71 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 70 07-MAY-2002;
Location/Qualifiers
Unclassified.

1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 69 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches (
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 70 from patent US 6383808.
AR208771
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1 (bases 1 to 20)
Monia, B.P. and Freier, S.M.
Antisense inhibition of Clusterin expression
Patent: US 6383808-A 74 07-MAY-2002;
Location/Qualifiers
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Monia, B.P. and Freier, S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 75 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 20)
Monia,B.P. and Freier,S.M.
Antisense inhibition of clusterin expression
Patent: US 6383808-A 78 07-MAY-2002;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Sequence 75 from patent US 6383808.
AR208776
AR208776.1 GI:21510018
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 78 from patent US 6383808.
AR208779
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/organism="unknown"
/mol_type="unassigned DNA"
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AR208779/c
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Antisense inhibition of clusterin expression
Patent: 18, 6383808-A 73 07-MAY-2002;
Location/Qualifiers
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Sequence 74 from patent US 6383808.
AR208775.1 GI:21510017
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Sequence 73 from patent US 6383808.
AR208774.1 GI:21510016
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Sequence 72 from patent US 6383808.
AR208773 GI:21510015
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                                1332 AAATTTATGGAGACCGTGGC 1351
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AR208773/c
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AR208774/c
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RESULT 123 AR208781/c LOCUS DEFINITION source

REFERENCE AUTHORS TITLE JOURNAL FEATURES

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Jansen B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675-A 28 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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Millis,A.J.T.
Millis,A.J.T.
Compositions and methods for altering cell migration
Patent: US 6464975-A 13 15-OCT-2002;
Location/Qualifiers
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1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 19; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 28;
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/mol type="unassigned RNA"
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/mole="RNA" for human clusterin"
                                                                                         organism="synthetic construct"
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Sequence 67 from Patent WO2004018676.
CQ786179.1 GI:45721282
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1. Similarity 95.2%; Pred. No. 35;
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/organism="unknown"
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Antisense inhibition of clusterin expression
Patent: US 6383808-A 80 07-MAY-2002;
Location/Qualifiers
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1.2%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 20; Conservative 0; Mismatches 0
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other sequences; artificial sequences.
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Sequence 9 from Patent WO2004018676.
CQ786121
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                                                                   20 bp 1
Sequence 80 from patent US 6383808.
AR208781
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RESULT 124 CQ786121 LOCUS DEFINITION ACCESSION VERSION KEYWORDS

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PAT 24-MAR-2004

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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Patent: WO 2004018675-A 43 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
Location/Qualifiers
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Patent: WO 2004018676-A 10 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 10 from Patent WO2004018676.
CQ786122.1 GI:45721225
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Sequence 29 from Patent WO2004018675.
CQ786640 GI:45721660
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Patent: WO 2004018675-A 42 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin E. (CA)
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Patent: WO 200401867-6A, 68 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/organism="synthetic construct"
/mol type="unassigned RNA"
/db xref="taxon:32630"
/noce="RNAi for human clusterin"
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/noTe="RNAi for human clusterin"
                                                                                                                                             CQ786180 19 bp RNA
Seguence 68 from Patent WO2004018676.
CQ786180
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Sequence 42 from Patent W02004018675.
CQ786653 GI:45721673
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Sequence 43 from Patent WO2004018675.
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other sequences; artificial sequences.
                  48 ATGATGAAGACTCTGCTGC 66
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synthetic construct
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PAT 24-MAR-2004

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PAT 20-JUN-2002
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Miller,W.L., Lin,D. and Strauss,J.F. III.
Identification of gene mutations associated with congenital lippoid
adrenal hyperplash 22 15-SEP-1998;
Location/Qualifiers
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                     /organism='Artificial sequences'
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100.0%; Pred. No. 36;
/ative. 0; Mismatches 0; Indels
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Unclassified.
1 (bases 1 to 18)
Monia, B.P. and Freier, S.M.
Trisense inhibition of clusterin expression
Patent: US 6383808-A 4 07-MAY-2002;
                                                                                                                                                                                                                                                                                                              DNA
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 22 from patent US 5807678.
AR038688
AR038688.1 GI:5958051
                                                                                                                                   Query Match
1.1%; Score 18.8; Dest Local Similarity 90.9%; Pred. No. 50; Matches 20; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 4 from patent US 6383808.
AR208705 GI:21509929
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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unidentified
unclassified.
1 (bases 1 to 22)
Akamatsu, T., Suzuki, T. and Uchimiya, H.
DETERMINATION OF WALE OR FEMALE OF SPINACH BY USING DNA MARKER
PATENE: JP 1998052284-A 10 24-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OS None
OC Artificial sequences.
PN JP 1998052284-A/10
PD 24-FEB-1998
PF 14-MAY-1995 JP 9997124012
PR 14-MAY-1996 JP 96P 119124
PR 14-MAY-1996 JP 96P 119124
PI AKAMATSU TOYOKAZU, SUZUKI TAKAO, UCHIMIYA HIROBUMI PC C12N15/09, C0712N15/04, C12Q1/68;
CC strandedness: Single;
CC topology: Linear;
CC topology: Linear;
CC topology: Linear;
CC antl-sense: No;
CC antl-sense: No;
FH Key
The University of British Columbia (CA); Gleave, Martin E. (CA) Location/Qualifiers
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Unknown.
Unclassified.
1 (bases 1 to 22)
Akamatsu,T. and Suzuki,T.
Method for identifying the sex of spinach by DNA markers
Patent: US 5910412-A 10 08-UUN-1999;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 40;
Matches 19; Conservative 0; Mismatches 0; Indels
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E15141
                                       1. .21
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/note="RNAi for human clusterin"
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Sequence 10 from patent US 5910412.
AR071119 1 GI:7222007
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AR071119
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AR167026.1 GI:16243448
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                                                              PAT 08-MAY-2003
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                       Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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100.0%; Pred. No. 43;
tive 0; Mismatches 0; Indels
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 6031 from Patent WO03040369.
AX762710
                                                             AX728619 17 bp DNA
Sequence 253 from Patent WO03025175.
AX728619.1 GI:30507962
                                                                                                                                                                                                                                                                             Patent: WO 03025175-A 253 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers

    .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 43 from patent US 6284458.
AR167026
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Best Local Similarity 100.
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AL Patent: US 6284458-A 43 04-SEP-2001;
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1 (bases 1 to 20)

Anderson, K.E., Hanecak, R.C., Hoshiko, K., Nozaki, C., Nishihara, T.,
Nakatake, H., Hamada, F., Eto, T., Furukawa, S., Furasako, S.,
Bruice, T.W. and Lima, W.F.
Compositions and methods for treatment of Hepatitis C
virus-associated diseases
Patent: US 6391542-A 43 21-MAY-2002;
Location/Qualifiers
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1.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 74;
Matches 18; Conservative 0; Mismatches 2; Indels
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1.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 74;
Matches 18; Conservative 0; Mismatches 2; Indels
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unclassified.
unclassified.
1 (bases 1 to 16)
Maertens,G., Stuyver,L., Rossau,R. and Van,H.H.
PROCESS FOR TYPING OF HCV ISOLATES
PACENT: WO 9412670-A 97 09-JUN-1994;
INNOGENETICS NV (BE)
Other Publication AU 5628294 940622
Other Publication CA 2128528 940609
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AR210681
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/mol_type="unassigned DNA"
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Sequence 97 from Patent WO9412670.
A39125
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PAT 10-APR-2003

FEATURES

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Method for detecting nucleic acid sequences based on the use of solid phase immobilised nucleotide probes (line probe assay) Patent: EP 0905258-A 97 31-MAR-1999; INNOGENETICS NV (BE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unknown.
Unclassified.
I (bases 1 to 16)
Maertens,G., Stuyver,L., Rossau,R. and Van Heuverswyn,H.
Process for typing HCV isolates
Process for typing HCV isolates
Patent: US 6548244-A 97 15-APR-2003;
Location/Qualifiers
                                                                                                                                          1 (bases 1 to 16)
Maertens,G., Stuyver,L., Rossau,R. and Van Heuverswyn,H.
Process 1 (Stuying of HCV isolates
Patent: US 6495670-A 97 17-DEC-2002;
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1.0%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 16; Conservative 0; Mismatches 0; Indels
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Sequence 97 from patent US 6548244.
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Sequence 97 from Patent EP0905258.
AX023187
AX023187.1 GI:10046644
           AR267380 16 bp
Sequence 97 from patent US 6495670.
AR267380 AR267380.
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/organism="unknown"
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/organism="unknown"
/mol_type="mRNA"
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AR305790/c
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Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H. Process for typing of HCV isolates
Patent: US 6171784-A 97 09-JAN-2001;
Location/Qualifiers
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Maertens, G., Stuyver, L., Rossau, R. and Van Heuverswyn, H. Process for typing of HCV isolates
Parent: US 5846704-A 97 08-DEC-1998;
Location/Qualifiers
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100.0%; Pred. No. 50;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 50;
tive 0; Mismatches 0; Indels
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Sequence 97 from patent US 6171784.
AR123639
AR123639.1 GI:14109000
   Other publication JP 7503143T 950406.
Location/Qualifiers
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Sequence 97 from patent US 5846704.
AR063498 AR06348.1 GI:5992756
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Best Local Similarity 100.
Matches 16; Conservative
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Best Local Similarity 100.
Matches 16; Conservative
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RESULT 143 AR123639/c LOCUS

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RESULT 144

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PAT 12-JUN-2003

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RESULT 142
AR063448/C
LOCUS
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PAT 24-NOV-2000

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RESULT 149
CQ881900/c
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CQ786119
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Hepatitis C virus
Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
Hepacivirus.
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Unknown.
Unclassified.
1 (bases 1 to 17)
Wang, C. G and Hepburn, A.G.
Genetic: Gequence assay using DNA triple strand formation
Genet: US 5861244-A 37 19-JAN-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                Maertens, G., Rossau, R., Stuyver, L. and van Heuverswyn, H. Detection and typing of hcv using 5'utr and ns5 nucleic sequences
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                                                     Query Match 1.0%; Score 16; DB 1; Length 16; Best Local Similarity 100.0%; Pred. No. 50; Matches 16; Conservative 0; Mismatches 0; Indels
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Paramires P 1197568-A 97 17-APR-2002;
Innogenetics N.V. (BE)
Location/Qualifiers
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Sequence 37 from patent US 5861244.
AR029848.1 GI:5943062
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                      AX417393 16 bp
Sequence 97 from Patent EP1197568.
AX417393
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AA17393/c
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AR029848
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Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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            PAT 11-0CT-2004
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Modulation of exon recognition in pre-mrna by interfering with the secondary rna structure
Patent: WO 2004083446-A 15 30-SEP-2004;
Academisch Ziekenhuis Leiden (NL)
Location/Qualifiers
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/organism="synthetic construct"
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches 2; Indels
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Rhai probes targeting cancer-related proteins
Patent: WO 2004018676-A 7 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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Sequence 7 from Patent W02004018676.
CQ786119 GI:45721222
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Sequence 8 from Patent WO2004018676.
CQ786120 GI:45721223
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synthetic construct
other sequences, artificial sequences.
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CQ786120/c
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REFERENCE AUTHORS JOURNAL

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PAT 02-FEB-2004
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Acomica, Inc. (US)
                                                                                                           Gaps
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synthetic construct
other sequences; artificial sequences.
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89.5%; Pred. No. 90;
:ive 0; Mismatches
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Matches 17; Conservative 0; Mismatches
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                                                                    Jansen, B., Gleave, M.E., Signaevsky, M., Beraldi, E., Trougakos, I. and
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Rai probes targeting cancer-related proteins
The University of British Columbia (CA)
Location/Qualifiers
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/organism="synthetic construct"
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other sequences; artificial sequences.
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other sequences; artificial sequences.
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1.0%; Score 15.8; D
Best Local Similarity 89.5%; Pred. No. 90;
Matches 17; Conservative 0; Mismatches
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Best Local S:
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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RESULT 152 CQ786635 LOCUS DEFINITION

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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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CQ786637

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AUTHORS TITLE

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PAT 07-SEP-2001

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Shannon, M.E.

Splannon, M.E.

Dolynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle patent: US 6686188-A 8666 03-FEB-2004;

Location/Qualifiers
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 170 16-AUG-2001;
RIBOYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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44.1%; Pred. No. 74;
ve 0; Mismatches 1; Indels
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Sequence 1451 from Patent EP1281758.
AX688719 GI:29411423
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Aeomica, Inc. (US)
Location/Qualifiers
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other sequences; artificial sequences.
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Best Local Similarity 94.1%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches
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AX214728
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Unclassified.
1 (baces 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Unclassified.
1 (bases 1 to 17)
1 (bases 1 to 17)
Draper.K.G., Pavco.P., McSwiggen,J., Gustofson,J. and Stinchcomb,D.T.
Method of reducing stromelysin RNA via ribozymes Patent: US 5731295-A 535 24-MAR-1998;
Location/Qualifiers
                                                                                                                                                                                           Unclassified.
1 (bases 1 to 17)
Draper, K.G., Pavco, P., McSwiggen, J., Gustofson, J. and Stinchcomb, D.T.
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Patent: US 5612215-A 535 18-MAR-1997;
Location/Qualifiers
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Sequence 535 from patent US 5612215.
137522
137522.1 GI:2085482
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Sequence 535 from patent US 5731295.
194372 194372.1 GI:3938842
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1 (bases 1 to 18)
Saoletti, E., Perkus, M.E., Taylor, J., Tartaglia, J., Norton, E.K., Riviere, M., de Taisne, C., Limbach, K.J., Johnson, G.P., Pincus, S.E., Cox, W.I., Audonnet, J.-C.F. and Gettig, R.R.
NYVAC vaccinia virus recombinants comprising heterologous inserts Patent: US 5494807-A 280 27-FEB-1996;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Picoult-Newburg, L. and Pohl, M. Genotyping reagents, kits and methods of use thereof Patent: WO 0129262-A 301 26-APR-2001; Orchid BioSciences, Inc. (US)
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            linear
                                                                                                                                                 Stinchcomb, D.T. and McSwiggen, J.A.
Stinchcomb, D.T. and McSwiggen, J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 953 15-SEP-1998;
Location/Qualifiers
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0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred; No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 2;
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synthetic construct
other sequences; artificial sequences.
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            18 bp Di
Sequence 953 from patent US 5807743.
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/organism="unknown"
/wol_type="unassigned DNA"
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                                                                                                                                                                                                                                                     /organism="unknown"
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                                                                 AR040105.1 GI:5959468
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Best Local Similarity 88.9%;
Matches 16; Conservative (
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I18045.1 GI:1598400
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Paoletti,E., Perkus,M.E., Taylor,J., Tartaglia,J., Norton,E.K.,
Riviere,M., de Taisne,C., Limbach,K.J., Johnson,G.P., Pincus,S.E.,
Cox,W.I., Audonnet,J.-C.Francis. and Gettig,R.Robert.
Modified recombinant vaccinia virus and expression vectors thereof
Patent: US 5762938-A 280 09-JUN-1998,
Location/Qualifiers
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Mammalia; Butheria; Primates; Catarrhini, Hominidae, Homo.
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Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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94.1%; Pred. No. 74;
        Length 17;
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        DB 1;
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medicines
Patent: WO 03040369-A 5826 15-WAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 5826 from Patent WO03040369.
AX762505
AX762505.1 GI:32257121
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/organism="unknown"
/mol_type="unassigned DNA"
       0.9%; Score 15.4; Dilarity 94.1%; Pred. No. 74; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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Best Local Similarity 94.1
Matches 16; Conservative
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Matches 16; Conserv
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AR011407/c
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AX762505
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8353 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8352 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Sequence 8352 from Patent WO0192524.
CQ622612
CQ623612.1 GI:41673830
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Sequence 8353 from Patent WO0192524.
CQ623613.1 GI:41673831
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              1104 CTCAACACCTCCTCT 1119
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Homo sapiens (human)
Homo sapiens
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Homo sapiens
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CQ623612/C
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Unknown.
Unclassified.
1 (bases 1 to 17)
Kawaoka.A. and Ebinuma,H.
Kawaoka.A. and Ebinuma,H.
DNA encoding a transcription factor controlling phenylpropanoid biosynthesis pathway
Patent: US 6303847-A 7 16-OCT-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Meise, M., Eulenberg, K., Fritsch, R., Haeder, T., Broenner, G. and
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                                                                                                                     Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 1.1e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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                1. .18
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Primer"
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Sequence 11 from Patent W003047611.
AX776586. GI:32694120
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Seguence 7 from patent US 6303847.
AR173373
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Location/Qualifiers
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PAT 02-FEB-2004

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linear PAT 02-FEB-2004
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E. Myosin-like gene expressed in human heart and muscle Patent: WO 0192224-A 10037 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.
Unclassified.
I (bases 1 to 17)
I (bases 1 to 17)
Drape, N.G., Pavco, P., McSwiggen, J., Gustofson, J. and Drape, D.T.
Stinchcowh. D.T.
Stromelysin targeted ribozymes
Patent: US 5612215-A 536 18-MRR-1997;
Location/Qualifiers
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Patent: WO 0192524-A 10038 06-DEC-2001;
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10038 from Patent WO0192524.
CQ625298
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Sequence 536 from patent US 5612215.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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Location/Qualifiers
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Location/Qualifiers
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Best Local Similarity
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8667 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                             Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Patent: WO 0192524-A 8665 06-DEC-2001;
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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                    Sequence 8665 from Patent WO0192524.
CQ623925
CQ623925.1 GI:41674143
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Location/Qualifiers
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DEFINITION ACCESSION VERSION KEYWORDS

RESULT 171

CQ623927

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PAT 13-MAY-1997

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 8352 03-FEB-2004;
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Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and Stinchcomb,D.T.
Method of reducing stromelysin RNA via ribozymes
Patent: Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 8352 from patent US 6686188.
AR464675
AR464675.1 GI:42699732
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Sequence 8353 from patent US 6686188.
AR464676
AR464676.1 GI:42699733
 93.8%; Pred. No. 1e+02;
:ive 0; Mismatches
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Sequence 536 from patent US 5731295.
194373
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/mol_type="genomic DNA"
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                                        1589 AAGAACAGAATTGCTC 1604
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 Best Local Similarity 93.83
Matches 15; Conservative
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Unknown.

1 (Joses 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,W.B.

Shannon,W.B.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 8153.03-FEBS-2004;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Bahanon,W.E.
Polymucleotide encoding a human myosin-like polypeptide expressed
predominantly in heart and muscle
Patent: US 6686188-A 8665 03-FEB-2004;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shamnon,M.E.
Polymucleotide encoding a human myosin-like polypeptide expressed
predominantly in heart and muscle
Patent: US 668188-A 8667 03-FEB-2004;
Location/Qualifiers
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Sequence 8667 from patent US 6686188.
AR464990
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Sequence 8665 from patent US 6686188.
AR464988
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PAT 07-SEP-2001

RESULT 180
AR466360/c
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AUTHORS REFERENCE

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Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                 Blatt, L., McSwiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 155103-A 171 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US);
RIBOZYME PHARMACEUTICALS, INC. (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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         RNA
                                                                                                    synthetic construct
synthetic construct
other sequences; artificial sequences.
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/db_xref="taxon:9606"
17 bp F
Sequence 171 from Patent W00159103.
AX214729
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Location/Qualifiers
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                                                                   AX214729.1 GI:15524772
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Homo sapiens
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AX688718/c
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(1. (bases 1 to 17)
(20, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Gu, Y., Ji, Y.,
Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 668188-A 10038 03-FEB-2004;
Location/Qualifiers
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(Sases I to 17)

(Au, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Gu, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. E.

Shannon, M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle

Patent: 105 6686188-A 10377 03-FEB-2004;

Location/Qualifiers
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Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Sequence 10038 from patent US 6686188.
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Sequence 10037 from patent US 6686188.
AR466360
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Unclassified.
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                              Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
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Sequence 3944 from Patent W003040369.
AX760623
                                                                                     Patent: EP 1281758-A 1452 05-FEB-2003;
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                                                                                                     Aeomica, Inc. (US)
Location/Qualifiers
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/db zref="taxon:32664"
/note==bescription of Artificial Sequence: an artificially
synthesized primer se q"
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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
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Unclassified.
I (bases 1 to 18)

Evans, G.A. and Smith, M.W.
Method for generation of sequence sampled maps of complex genomes
Patent: US 5831760-A 797 22-DEC-1998;

Location/Qualifiers
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Best Local Similarity 93.8%; Pred. No. 1.2e+02;
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Best Local Similarity 93.8%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
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Patent: EP 147046-A 5102 24-SEP-2003;
Research Association for Biotechnology (JP)
Location/Qualifiers
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Sequence 5102 from Patent EP1347046.
AX837978
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Sequence 797 from patent US 5851760.
AR067404 GI:5998626
1. 17
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17 bp Dr Sequence 467 from patent US 5807743. AR039619
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Eucalyptus camaldulensis
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Targeted chromosomal genomic alterations in plants using modified
single stranded Oligonucleotides
Patent: WO 0192512-A 956 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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                                                                                                                                                                                              Eucalyptus camaldulensis (Murray red gum)
Eucalyptus camaldulensis
Eukaryotus, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; Myrtales; Myrtaceae; Eucalyptus.
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
patent: wo 0192512-A 95 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
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/db_xref="taxon:34316"
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/organism="Eucalyptus camaldulensis"
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0.9%; Score 14; DB 1; Lk
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 0;
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Sequence 956 from Patent W00192512.
AX324818
AX324818.1 GI:18095571
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Sequence 955 from Patent W00192512.
AX324817.1 GI:18095570
                        GTGGAAGATGCTCAAC 1109
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1 (bases 1 to 17)
1 Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Methods of identifying compounds that modulate body weight using the OB receptor
the OB receptor
Patent: US 5972621-A 27 26-OCT-1999;
Location/Qualifiers
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Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.

Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.

Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.

Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.

Tartaglia,L.A. 25, 26-0CT-1999;

Patent: US 5972621_A 25, 26-0CT-1999;
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W Unknown.
Unclassified.
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E 1 (bases 1 to 17)
S Stinchcomb,D.T. and McSwiggen,J.A.
Interleukin-2 receptor gamma-chain ribozymes
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 25 from patent US 5972621.
AR081753
AR081753.1 GI:10008479
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

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AUTHORS TITLE JOURNAL FEATURES REFERENCE

RESULT 194 AR094983/c LOCUS

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Regulation of repressor genes using nucleic acid molecules. BD254845.1 GI:33064615 UP 2002541795-A/2638. Unidentified
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                                                                                                      1 (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6287782-A 27 11-SEP-2001;
Location/Qualifiers
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unclassified.

E 1 (bases in to, 17)
S Blatt, L, Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of repressor genes using nucleic acid molecules
Regulation of repressor genes using nucleic acid molecules

Regulation of repressor genes using nucleic acid molecules

Regulation of repressor genes using nucleic acid molecules

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(C12N5/00,C12R1:91)
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Unclassified.
1 (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Methods of using the Ob receptor to identify therapeutic compounds
Patent: US 6287782-A 25 11-SEP-2001;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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E 1 (bases 1 to 17)
S Wands,J.R., Wakita,T. and Moradpour,D.
Antisense inhibition of hepatitis C virus
AL Patent: US 6001990-A 21 14-DEC-1999;
Location/Qualifiers
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Sequence 21 from patent US 6001990.
AR094983
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Sequence 25 from patent US 6287782.
AR167985.1 GI:17903799
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RESULT 195
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RESULT 196 AR167987

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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 1895 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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88.2%; Pred. No. 1.3e+02;
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 2643 from Patent WO0192524.
CQ617903

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CQ617155.1 GI:41667373
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Location/Qualifiers
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Matches 15, Conservative
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8568 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 7355 06-DEC-2001;
Aeomica, Inc. (US)
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Patent: WO 0192524-A 7485 06-DEC-2001;
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88.2%; Pred. No. 1.3e+02;
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Sequence 7485 from Patent WO0192524.
CQ622745
CQ622745.1 GI:41672963
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Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192254-A 8664 06-DEC-2001;
Aeomica. Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Sequence 8663 from Patent WO0192524.
CQ623923.1 GI:41674141
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Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                           Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 102534-A 8660 06-DEC-2001;
Aeomica. Inc. (US)
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                                 Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.36+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 8661 from Patent WO0192524.
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Sequence 8660 from Patent W00192524.
CQ623920. GI:41674138

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                                                                                                         292 AGGATGCCCTAAATGAG 308
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other sequences; artificial sequences.

(CE 1 (bases 1 to 17), W.H., Lloyd, M.S. and Tim, J.H.

Sequences; 1 to 17), W.H., Lloyd, M.S. and Tim, J.H.

Method for analyzing oligomucleotide

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Location/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
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Matches 15; Conservative 0; Mismatches 2; Indels
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AR192271.1 GI:20238236
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JP 1999046800-A/4.
synthetic construct
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9689 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 9688 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                       Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Patent: WO 0192524-A 9687 06-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 9688 from Patent WO0192524.
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CQ624949.1 GI:41675167
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RESULT 208 CQ624948/c LOCUS DEFINITION

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PAT 25-SEP-2002

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Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Chimeric proteins comprising the extracellular domain of murine Ob
receptor
Patent: US 6482927-A 25 19-NOV-2002;
Location/Qualifiers
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Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Chimatic proteins comprising the extracellular domain of murine Ob
receptor
Patent: US 6482927-A 27 19-NOV-2002;
Location/Qualifiers
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Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders
Patent: US 6403552-A 27 11-JUN-2002;
Location/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 27 from patent US 6482927.
AR256155
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Sequence 25 from patent US 6482927.
AR256153.
AR256153.1 GI:27305555
AR213318 17 bp 1
Sequence 27 from patent US 6403552.
AR213318 1 GI:23310501
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AR256153
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Unknown.
Unclassified.
1 (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I., Culpepper,J.A. and White,D.W.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders
weight disorders
Patent: US 6403552-A 25 11-UUN-2002;
Location/Qualifiers
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Zwick, M.G., Edington, B.E., McSwiggen, J.A., Merlo, P.Ann.Owens., Guo, L., Skokut, T.A., Young, S.A., Folkerts, O. and Merlo, D.J.
Nucleic acid encoding delta-9 desaturase
Patent: US 6350934-A 687 26-FEB-2002;
Location/Qualifiers
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                                                                  Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 687 from patent US 6350934.
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Seguence 25 from patent US 6403552.
AR213316
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Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor and methods for the diagnosis and treatment of body weight disorders, including obesity and cachexia Patent: US 6548269-A 27 15-APR-2003;
Location/Qualifiers
                                                                                                                        Tartaglia, L.A., Tepper, R.I. and Culpepper, J.A.
Tartaglia, L.A., Tepper, R.I. and Culpepper, J.A.
Ob receptor and methods for the diagnosis and treatment of body
weight disorders, including obseity and cachexia
Patent: US 6548269-A 25 15-APR-2003;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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AR306245
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GI:31695966
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Pred. No. 1.3e+02;
0; Mismatches 2; Indels
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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1 (bases 1 to 17)
Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor
Patent: US 6506877-A 27 14-JAN-2003;
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Unclassified.
1 (bases i to 17)
Tartaglia,L.A., Tepper,R.I. and Culpepper,J.A.
Ob receptor
Patent: US 6506877-A 25 14-JAN-2003;
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AR306243
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Best Local Similarity 88.2%; Pred. No. 1.3e
Matches 15; Conservative 0; Mismatches
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AR306243
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 4182 20-MAY-2003;
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Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of identifying compounds that modulate body weight using
the OB receptor
Patent: US 6395498-A 25 28-MAY-2002;
Location/Qualifiers
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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.3e+02; tive 0; Mismatches 2; Indels
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Seguence 4182 from patent US 6566127.
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Sequence 27 from patent US 6395498.
AR371633.
AR371633.1 GI:34608618
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Sequence 25 from patent US 6395498.
AR371631.
GI:34608616
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/wol_type="genomic DNA"
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                Best Local Similarity 88.2
Matches 15; Conservative
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I (bases 1 to 17)

Gu.Y., Ji.Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Shannon,M.E.
Shonnon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 1895 03-FEB-2004;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Gu,Y., Ji,Y., Penn,B.
Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 2643 03-FEB-2004;
Location/Qualifiers
Unclossified.
Unclassified.
1 (bases 1 to 17)
Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Tartaglia, L.A., Tepper, R.I., Culpepper, J.A. and White, D.W.
Methods of identifying compounds that modulate body weight using the OB receptor
the OB receptor
Patent: US 6395498-A 27 28-MAY-2002;
Location/Qualifiers
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Best Local Similarity 88.2%; Pred. No. 1.38+02;
Matches 15; Conservative 0; Mismatches 2;
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/mol_type="genomic DNA"
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Shannon,M.E.
Shannon,M.E.
Drynucleotide encoding a human myosin-like polypeptide expressed
predominantly in heart and muscle
Patent: US 6686188-A 8661 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polynucleoride encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8660 03-FEB-2004; Location/Qualifiers
                                                                                                                  Unclassified.

I (Dases 1 to 17)

Gu, Y., Ji Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.

Shannon, M.E.

Sholynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle patent: US 6686188-A 8568 03-FEB-2004;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Best Local Similarity 88.2%; Pred. No. 1.38+02;
Matches 15; Conservative 0; Mismatches 2;
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2;
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Sequence 8661 from patent US 6686188.
AR464984
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Sequence 8660 from patent US 6686188.
AR464983
AR464983.1 GI:42700040
Sequence 8568 from patent US 6686188.
AR464891
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W.E.
Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
predominantly in heart and muscle
Patent: US 6686188-A 7485 03-FEB-2004;
Location/Qualifiers
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Gu, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 88.2%; Fred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Matches 15; Conservative
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PAT 20-FEB-2004

RESULT 229 AR464891 LOCUS

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AUTHORS REFERENCE

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RESULT 228 AR463808/C

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PAT 20-FEB-2004

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1 (bases 1 to 17)
6. (bases 1 to 17)
6. (bases 1 to 17)
7. (c) Fenn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shamon, M.B.
8. (c) Folymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle paredominantly in heart and muscle Patent: US 668188-A 9687 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                       AR466010 17 bp DNA Sequence 9687 from parent US 6686188. AR466010 GI:42701067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AR466011 17 bp DNA
Sequence 9688 from patent US 6686188.
AR466011
AR466011.1 GI:42701068
                                                                                                                                                                                                                                                                                  /organism="unknown"
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Unclassified.
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AR466010/c
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AR466012/c
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Unclassified.
I (bases 1 to 17)
Gu, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
Polynuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: Us 6686188-A 864 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                Unclassified.

Unclass 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 8663 03-FEB-2004;
Location/Qualifiers
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                          AR464986
Sequence 8663 from patent US 6686188.
AR464986
AR464986.1 GI:42700043
              1. 17
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Location/Qualifiers
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Best Local Similarity 88.2'
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AR464986
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Unclassified.

1 (bases 1 to 17)

Gu,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.

Polynucleoride encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 9688 03-FEB-2004;

Location/Qualifiers
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 9689 from patent US 6686188.
AR466012
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/organism="unknown"
/mol_type="genomic DNA"
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AUTHORS
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Gaps

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Length 17;

PAT 29-OCT-2001

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Randi, A.W.
Rendi, A.W.
Method and reagent for the inhibition of erg
Patent: WO 0188124-A 876 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                           Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., Hamblin, P.A. and Bllis, J.H.
Method and reagent for the inhibition of grid
Patent: WO 10162911-A 440 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., Mclaughlin, F.G.
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88.2%; Pred. No. 1.3e+02;
artive 0; Mismatches 2; Indels
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                               ch 0.8%; Score 13.8; DB 1; 1. Similarity 88.2%; Pred. No. 1.3e+02; 15; Conservative 0; Mismatches 2;
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Sequence 876 from Patent W00188124.
AX422540
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                                                                                                                                                                                                                                           AX272871
Sequence 440 from Patent WO0162911.
AX272871
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                                                                                                                1621 CAATAAACTGTCTTGT 1637
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                                                                                                                                    Homo sapiens (human)
Homo sapiens
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Homo sapiens
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Matches 15; Conservative
                                         Query Match
Best Local Similarity
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AX422540
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AX272871/c
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                   Shannon, M.E. Polynucleoride encoding a human myosin-like polypeptide expressed producined encoding a human myosin-like polypeptide expressed predominantly in heart and muscle patent: US 6686188-A 9689 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 1053 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Method and reagent for the modulation and diagnosis of cd20 and reagent for the modulation and diagnosis of cd20 and gene expression
Patent: WO 0159103-A 1885 16-AUG-2001;
RIBOZYME PHARWACEUTICALS, INC. (US) ; Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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Sequence 1885 from Patent WO0159103.
AX216443
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    17 / organism="unknown"
/mol_type="genomic DNA"

                                                                                         Location/Qualifiers
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Homo sapiens

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 511 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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                                                       Zhang,J.

Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 509 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 510 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 510 from Patent WO0224750.
AX475289.1 GI:22214574
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Sequence 511 from Patent W00224750.
AX475290
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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AX475289
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1782 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
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88.2%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indel8
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 508 28-MAR-2002;
                                                             linear
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Sequence 1782 from Patent WO0188124.
AX423446.1 GI:21526828
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/mol_type="unassigned RNA"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 509 from Patent WO0224750.
AX475288
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Sequence 508 from Patent WO0224750.
AX475287
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Location/Qualifiers
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Homo sapiens
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Best Local Similarity 88.23
Matches, 15; Conservative
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AX423446
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Homo sapiens (human)
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    RESULT 248
AX475720
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AX499441
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human kidney tumor overexpressed membrane protein 1
Patent: WO 0224750-A 512 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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                                     Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.30+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Human Kidney tumor overexpressed membrane protein Palent: WO 0224750-A 514 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2;
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX475293
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AX475291
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
PAT 12-AUG-2002
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Human kidney tumor overexpressed membrane protein
Human kidney tumor overexpressed membrane protein
Patent: WO 0224750-A 941 28-MAR-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Human testis expressed patched like protein Patent: EP 1229046-A 748 07-AUG-2002; Acomica, Inc. (US)
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0.8%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.36+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 749 from Patent EP1229046.
AX499442
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Sequence 748 from Patent EP1229046.
AX499441
AX499441.1 GI:23381734
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          AX475720
Sequence 941 from Patent W00224750.
AX475720
AX475720.1 GI:22215005
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/db_xref="taxon:9606"
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Best Local Similarity 88.2%;
Matches 15; Conservative
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AX688721/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: EP 1229046-A 1238 07-AUG-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                          Human testis expressed parched like protein
Patent: EP 1229046-A 749 07-AUG-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 1238 from Patent EP1229046.
AX499931 GI:23382224
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Acomica, Inc. (US)
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 690 from Patent EP1281758.
AX687958 1 G1:29410656
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/mol_type="unassigned DNA"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Score 13.8; DB 1; Length 17;
Pred. No. 1.3e+02;
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Aeomica, Inc. (US)
Location/Qualifiers
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Patent: BP 1281758-A 1453 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 1453 from Patent EP1281758.
AX688721
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata; Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments Patent: WO 03025177-A 484 27-WAR-2003; Molecular Engine Laboratories (FR)
Molecular Engine Laboratories (FR)
                                                                                                               Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour severation, apoptosis and/or virus resistance and their use as medicines
Patent: WO 03025175-A 3374 27-MAR-2003;
Molecular Engines Laboratories (FR)
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Sequence 50 from Patent WO03040369.
AX756729
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol type="unassigned DNA"
/db_xref="taxon:9606"
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AX734894
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as madicines.
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Pred. No. 1.3e+02;
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Sequence 3374 from Patent WO03025175.
AX731740
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Patent: WO 03025176-A 4884 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Patent: WO 03025175-A 57 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                  AX727197
Sequence 4884 from Patent WO03025176.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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0.8%; Score 13.8; Di
Best Local Similarity 88.2%; Pred. No. 1.36-
Matches 15; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                        1. 17
/organism="Mus musculus"
/mol type="unassigned DNA"
/db_xref="taxon:10090"
                                                                                                                                                                         Mus musculus (house mouse)
Mus musculus
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AX731740
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AX728423/c
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AX727197
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15 GCCCAGCAGGCCATG
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AR532147/c
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AR180715/c
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Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines

Medicines

Molecular Engines Laboratories (FR)

Location/Qualifiers
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Unknown.
Unknown.
Unclassified.
1 (bases 1 to 15)
Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
Gene expression profiles in normal and cancer cells
Patent: US 6333152-A 174 25-DEC-2001;
Location/Qualifiers
                                                                                                                                                                         Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Stinchcomb.D.T., Draper,K.G. and McSwiggen,J.
Rel a targeted ribozymes
Patent: US 5658780-A 160 19-AUG-1997;
Location/Qualifiers
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AR180106
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Sequence 160 from patent US 5658780.
161606 GI:2479554
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/mol_type="unassigned DNA"
                                                                                                   1. .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                     91 GGGAGAGTGGCCAGGTC 107
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AR180106/c
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PAT 20-APR-2002
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1 (bases 1 to 15)
Fano, T.S. and Mikkelsen, F.
Subtilase variants having an improved wash performance on egg stains
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                     1 (bases 1 to 15)
Vogelstein, B., Kinzler, K.W., Zhang, L. and Zhou, W.
Gene expression profiles in normal and cancer cells
Patent: US 633315-A 783 25-DEC-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                              Query Match
0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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Location/Qualifiers
AR180715
Sequence 783 from patent US 6333152.
AR180715.1 GI:20222748
                                                                                                                                                                                                                                                       1. .15
/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15 bp
Sequence 75 from patent US 6727085.
AR532147
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Sequence 75 from Patent WO0144452.
AX167089
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/organism="unknown"
/mol_type="genomic DNA"
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Karpeisky,A., Draper,K.G., Kieich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,B.M.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Subtilase variants having an improved wash performance on egg
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Unknown.
Unclassified.
1 (bases 1 to 16)
1 wang, C.-G. and Hepburn, A.G.
Genetic sequence assay using DNA triple strand formation
Patent: US 5861244-A 32 19-JAN-1999;
Location/Qualifiers
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Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Antisense primer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Parent: EP 1260586-A 3103 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
Location/Qualifiers
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Sequence 3103 from Patent EP1260586.
AX635964
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Sequence 32 from patent US 5861244.
AR029843.1 GI:5943057

    .15
    /organism="unidentified"
    /mol_type="unassigned RNA"
    /db_xref="taxon:32644"

                                Patent: WO 0144452-A 75 21-JUN-2001;
Novozymes A/S (DK)
Location/Qualifiers
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AX635964
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AR029843/c
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SOURCE
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Unknown.
Unclassified.
I (bases I to 16)
I (bases I to 16)
Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6194149-A 68 27-FEB-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                  Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L. Target-dependent reactions using structure-bridging oligonucleotides.

Patent: US 6194149-A 67 27-FEB-2001;
Location/Qualifiers
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Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.2e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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Sequence 11 from Patent WO2004027066.
CQ796994
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AR131575.1 GI:14120478
                                                                                                                                                                                    DNA
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                             16 bp 1
Sequence 67 from patent US 6194149.
AR131574
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/organism="unknown"
/mol_type="unassigned DNA"
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AR131575
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AR199509
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligomeric compounds for the modulation of survivin expression Patent: WO 2004069991-A 8 19-AUG-2004; Santaris Pharma A/S (DK) Location/Qualifiers
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Unclassified.
1 (bases 1 to 16)
1 that, B., Dong, F., Lyamichev, V., Brow, M.Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging oligonucleotides
Patent: US 6355437-A 67 12-MAR-2002;
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Wissenbach, M.
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                                                                                                  Chimeric recombinant protein and in vitro diagnosis Patent: WO 2004027066-A 11 01-APR-2004; Biomerieux (FR)
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Seguence 8 from Patent WO2004069991.
CQ858546
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Sequence 67 from patent US 6355437.
AR199508.1 GI:20249582
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 CQ796994.1 GI:46408576
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16 CAATAAGAAGAAGA 2
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                    unidentified unidentified unclassified.
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CQ858546/c
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Unclassified.
I (bases 1 to 16)

Neri, B., Dong, F., Lyamichev, V., Brow, M. Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6355437-A 68 12-MAR-2002;
Location/Qualifiers
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Unknown.
Unclassified.
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Neri, B., Dong, F., Lyamichev, V., Brow, M. Ann. D. and Fors, L.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: US 6358691-A 67 19-MAR-2002;
Location/Qualifiers
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Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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1. .16
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/mol_type="unassigned DNA"
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AR200979.1 GI:20251867
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LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE

AR200980

ORGANISM

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FEATURES

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Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T. Nucleic acid accessible hybridization sites
Patent: WO 0198537-A 68 27-DEC-2001;
THIRD WAVE TECHNOLOGIES, INC. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lyamichev, V., Allawi, H., Dong, F., Neri, B.P. and Vener, I.T. Nucleic acid accessible hybridization sites Patent: WO 0198537-A 67 27-DEC-2001; THIRD WAVE TECHNOLOGIES, INC. (US)
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0.8%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1;
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other sequences; artificial sequences.
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synthetic construct
other sequences; artificial sequences.
Patent: US 6709815-A 68 23-MAR-2004;
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Sequence 68 from Patent WO0198537.
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AX419730
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1 (bases 1 to 16)

Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P.,

Brow, M. A.D., Anderson, T.A. and Dahlberg, J.E.

Target-dependent reactions using structure-bridging
oligonucleotides
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Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P.,
Brow, M.A.D., Anderson, T.A. and Dahlberg, J.E.
Target-dependent reactions using structure-bridging
oligonucleotides
Patent: 16 079815-A 67 23-MAR-2004;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 16)
Neri,B., Dong,F., Lyamichev,V., Brow,M.Ann.D. and Fors,L.
Target-dependent reactions using structure-bridging
oligonucleotides
patent: US 6358691-A 68 19-MAR-2002;
Patent: US 6358691-A 68 19-MAR-2002;
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0.8%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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Sequence 68 from patent US 6709815.
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AR488738
                    AR200980 16 bp 1
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AR200980
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Best Local Similarity 93.3
Matches 14; Conservative
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RESULT 275 AR488738 LOCUS DEFINITION

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PAT 18-JUN-2002

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PAT 18-JUN-2002

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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

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REFERENCE AUTHORS

TITLE

RESULT 276 AR488739 LOCUS

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10828394-1_1-1643.rge.sl

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AR066302 14 bp
Sequence 1 from patent US 5849903.
AR066302
                                                                                                                                                                                                                                                                                1. .16
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Homo sapiens
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                                                                                                                                                                                                                                                     unclassified.
1 (bases 1 to 16)
Dong,F., Lyamichev,V.I., Prudent,J.R., Fors,L., Neri,B.P.,
Brow,M.A.D., Anderson,T.A. and Dahlberg,J.B.
Target-dependent reactions using structure-bridging
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1 (bases 1 to 16)

Dong, F., Lyamichev, V.I., Prudent, J.R., Fors, L., Neri, B.P., Fraw, M.A.D., Anderson, T.A. and Dahlberg, J.E.

Target-dependent reactions using structure-bridging oligonucleotides
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                                           BD084992 16 bp DNA linear Target-dependent reactions using structure-bridging Oligonucleotides.
BD084992 1 G1:22630602
JP 2001523111-A/67.
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THIRD WAVE TECHNOLOGIES INC
OS Unidentified

    .16
    /organism="unidentified"
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    /db_xref="taxon:32644"

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20-NOV-2001
05-MAY-1998 JP 1998548047
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BD084993.1 GI:22630603
JP 2001523111-A/68.
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16 bp DNA linear PRI 07-WAY-1993
Mitochondrial acetoacetyl-coenzyme A thiolase (human, Genomic
S81287
881287.1 GI:245359
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PR 05-MAY-1997 US 08/851588,19-SEP-1997 US 08/934097 PR 03-MAR-1998 US 09/034205
PI PANG DONG, VICTOR I LYAMICHEV, JAMES R PRUDENT, LANCE FORS, BRUCE PI PART AND BROW, TODD A ANDERSON, JAMES E DAHLBERG PC CO7H21/04, CO7H21/02, C12Q1/68
CC Strandedness: Single;
CC Topology: Linear;
CC Topology: Linear;
CC Topology: Location/Qualifiers
FT Source 1.16
FT Source / Organism='Unidentified'.
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1 (bases 1 to 16)
Fusco,T., Yamaguchi,S., Orii,T., Schutgens,R.B., Osumi,T. and Hashimoto,T.
Identification of three mutant alleles of the gene for mitochondrial acetoacety1-coenzyme A thiolase. A complete analysis of two generations of a family with 3-ketothiolase deficiency J. Clin. Invest. 89 (2), 474-479 (1992)
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GenBank staff at the National Library of Medicine created this
entry (NCBI gibbsq 81287) from the original journal article.
A->C mutation at 3'splice site intron 10.
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
/lb_xref="taxon:9606"
/gene="mitochondrial acetoacetyl-coenzyme A thiolase"
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0.8%; Score 13.4; DB 1; Length 16;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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/organism='Unidentified'
Location/Qualifiers
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EMBO Rep. 3 (12), 1152-1157 (2002) 22363535
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                                                   2 (bases 1 to 15)
Balzergue, S.
Direct Submission
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Arabidopsis thaliana T-DNA flanking sequence, left border, clone
282605.
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Induvin, S., Bechtold, N., Cruaud, C., DeRose, R., Pelletier, G.,
Lepiniec, L., Caboche, M. and Lecharny, A.
T-DNA integration into the Arabidopsis genome depends on sequences
of pre-insertion sites
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Pietrzkowski, Z., Cieslak, D. and Olbina, G.
Antisense oligonucleotides for IL-8 and IL-8 receptor
Patent: US 5849903-A 1 15-DEC-1998;
Location/Qualifiers
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0.8%; Score 13; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.2e+02;
Matches 13; Conservative 1; Mismatches 1; Indels
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0.8%; Score 13; DB 1;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 13; Conservative 0; Mismatches
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AJ551605.1 GI:29367738
Ileft border, T-DNA flanking sequence. Arabidopsis thaliana (thale cress)
Arabidopsis thaliana

    .15
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                                                                                                                                                                                                /organism="unknown"
/mol_type="unassigned DNA"
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Sequence 11 from Patent WO0212499.
AX377347
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                        AR066302.1 GI:5996518
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                                                        Unknown
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Unrect submission
Submitted (12-1002) Balzergue S., UMRGV, INRA/CNRS, 2 rue
Gaston Cremieux, 91057 Evry cedex, FRANCE
Gaston Cremieux, 91057 Evry cedex, FRANCE
plants from INRA (Versailles). The DNA fragment(s) resulting from
the PCR were directly sequence from the left or the right border
to determine the genomic sequence flanking the insertion. T-DNA
derived sequences were removed. Information to order the
corresponding mutant line and a link to a database providing a
graphical display of the insertion site are available at
http://dbsgap.versailles.inra.fr/publiclines/. This sequence has
been generated in the framework of the French plant genomics
program 'Genoplante' (http://www.genoplante.com and
http://genoplante-info.infobiogen.fr).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/organism="Arabidopsis thaliana"
/organism="Arabidopsis thaliana"
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/clone="128205".
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
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.00.0%; Pred. No. 1.4e+02;
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1. Similarity 100.0%; Pred. No. 1.2e+02;
13; Conservative 0; Mismatches 0;

    15.
    note="T-DNA flanking sequence"

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Best Local Similarity 100.0%; Pred. No. 113
Marches 13; Conservative 0; Mismatches
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/db_xref="taxon:9606"
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456 GGCCGCCAGCTTGAGG 471
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CQ786338/c
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AR104209/c
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Brysch, W. and Schlingensiepen, K.
Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLICONUCLEOTIDE PREPARATION METHOD
PALENT: WO 9833904-A 1583 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
LOCATION/Qualifiers
                                                                                                       unidentified
unidentified
unclassified.
1 (bases 1 to 16)
Brysch,W. and Schlingensiepen,K.
AN ANTISENSE OLIGONUCLEOTIDE PREPARATION METHOD
Patent: WO 9833904-A 289 06-AUG-1998;
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
Location/Qualifiers
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1 (bases 1 to 16)
Brysch,W.D. and Schlingensiepen,K.D.
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Sequence 289 from Patent EP0856579.
A90108
A90108.1 GI:6738622

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                                       16 bp
Sequence 289 from Patent WO9833904.
A88141.
A88141.1 GI:6736711
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Goodearl,A.D.J. and Glucksmann,M.Alexandra.
Methods for detecting nucleic acid molecules encoding a member of
the muscarinic family of receptors
Parent: US 609345-A 25 25-JUL-2000;
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="texacription of Artificial Sequence: synthetic oligonucleotide"
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An antisense oligonucleotide preparation method
Patent: EP 0856579-A 289 05-AUG-1998;
BIOGNOSTIK GES (DE)
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synthetic construct
other sequences; artificial sequences.

    16. '16
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Sequence 25 from patent US 6093545.
AR104209.1 GI:12816917
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/mol_type="unassigned DNA"
                                                                             Location/Qualifiers
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linear PAT 10-OCT-2001
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Brca-1 regulators and methods of use
Patent: WO 0170982-A 58 27-SEP-2001;
Immusol Incorporated (US) ; Beger, Carmela (DE)
Location/Qualifiers
                                                                        Beger,C., Barber,J. and Wong-Staal,F.
Brca-1 regulators and methods of use
Patent: WO 0170982-A 24 27-SEP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
Location/Qualifiers
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         synthetic construct
synthetic construct
other sequences; artificial sequences.

    .16
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Sequence 58 from Patent WO0170982.
AX255637
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synthetic construct
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AX255637
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Zwick,M.G., Edington,B.E., McSwiggen,J.A., Merlo,P.Ann.Owens., Guo,L., Skokut,T.A., Young,S.A., Folkerts,O. and Merlo,D.J.
Nucleic acid encoding delta-9 desaturase
Patent: US 6350934-A 523 26-FEB-2002;
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.5e+02;
Matches 14; Conservative 0; Mismatches 2;

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synthetic construct
other sequences; artificial sequences.
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Sequence 523 from patent US 6350934.
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Sequence 24 from Patent WC0170982.
AX255603
AX255603.1 GI:16074659
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Sequence 12 from Patent WO9923249.
AX003952
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AR196058.1 GI:20245495
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I (bases 1 to 16)
Schlingenslepen, K.H. and Brysch, W.
Schlingenslepen, K.H. and Brysch, W.
An antisense oligonucleotide preparation method
L Patent: JP 2001511000-A 289 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
ON JURIOWN
PN JP 2001511000-A/289
PD 07-AUG-2001
PF 30-JAN-1999 JP 1998532533
PR 31-JAN-1999 FP 97101531.8
PI KARL HERMANN SCHLINGENSIEPEN, WOLFGANG BRYSCH
PC C12N15/11,C07H21/04,A61K31/70
CC An antisense oligonucleotide preparation method FH Ke
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1 (bases 1 to 16)
Schlingenstepen, K.H. and Brysch, W.
An antisense Oligonucleotide preparation method
Patent: JP 2001511000-A 1583 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
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Strandedness: Single;
Topology: Linear;
G protein-coupled receptor and utilization thereof FH Key
Location/Qualifiers
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1 (bases 1 to 16)

Goodearl,A.D.J., Glucksmann,A.M., Xie,M. and Distefano,P.
G protein-coupled receptor and utilization thereof
Datent: JP 2001525174-A 9 11-DEC-2001;
MILLENDIUM PHARMACEUTICALS INC
OS Unidentified
PN JP 2001525174-A/9
PN 1-DEC-2001
PR 04-DEC-1997 US 08/985090,17-MAR-1998 US 09/042780 PI
ANDREW D J GOODEARL,ALEXANDRA M GLUCKSMANN,MICHAEL XIE,PETER PI
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PC C12N15/09,C07K14/705,C07K16/28,C12N5/10,C12P21/02,C12Q1/68//
PC C12N15/09,C07K14/705,C07K16/28,C12N5/00
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30-JAN-1998 JP 1998532533
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326 327 328		a 330 331		334	335		338		c 340			344	345	346	348	349	350	352	c 323	354	355	357		c 359		c 362		c 364	365		c 368			c 372	374	c 375		c 378	379	380		c 383	384		c 387	388				393		396	
RT-PCR primer HP6. Hepatitis B virus HCV DNAzyme substr	Azyme	GDWLE	GDMLE	GDML	Human GDMLP-1 prob	imer	SND-containing car	Vbeta	olic	IGFBP3 oligonucleo	Stress tolerance c	HCV DNAzyme substr	HCV DNAzyme substr	Mutant cell identi	Hepatitis C virus	Mouse flt-1 VEGF r	Delta-9 desaturase	ביי מינו	Antisense oligonuc	ense o	IL-2	Human adenosine Al	adenc	Low adenosine anti	Low adenosine anti	Human adenosine Al	Human adenosine A1	Human adenosine Al	Human adenosine Al	Human NOGO Zinzyme	Human NOGO Inozyme	Mouse ObR genomic Mouse fami5312 ObR	DNA sequencing met	Human GRID NCH rib	Mouse Ob receptor Mouse Ob receptor	Mouse obesity rece	Mouse obesity rece	Human GDMLP-1 17-m	Human KTOMIa porti	Human KTOMIa porti	Human KTOMla porti	Human KTOMla porti	Human KTOMIa porti	Human HTPL scannin	HTP HTP								
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253 C 254 255	c 256	NN	N	c 260	10	c 263	264	c 266	CI (0 0	220	271	N	C 273	c 275	N	c 277	279	ומ	c 281	C) (40	10	N	0	. v	c 290	~	(1)	9 (7)	c 295	296	298	c 299	301	302	m r	304	ים ו	c 307	יו (די	c 310	311	312	c 314	315	316	318	319	.320	322	323	324

ABK66659 standard; DNA; 26 BP.

ABK66659

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                                                                             Linker peptide enc
E. coli nicking ag
E. coli fingerprin
E. coli strain K12
Human survivin gen
Hepatitis C virus
Sequence ID# 67 fr
Sequence ID# 67 fr
Triple helix third
Hepatitis C virus
Hepatitis C virus
Nucleic acid analy
Nucleic acid analy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DNA sequence coding for cytolysis inhibitor - is strong inhibitor of terminal complement protein, e.g. perforin secreted by killer cells.
                                                                                                                                                                                                                                                             Probe based on amino acids 6-15 of the Cytolysis Inhibitor A-chain.
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0
                                                                                                                                                                                                                                                                                 cytolysis inhibitor; perforin; immunological effector molecule;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.7%; Score 27.2; DB 1; Length 32; 90.6%; Pred. No. 23; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 32 BP; 10 A; 7 C; 11 G; 4 T; 0 U; 0 Other;
                                                                                                                                                        ALIGNMENTS
                                 AAX14645
ABL46101
ABL46100
ADK82290
                                                                        ADK82291
ADM80152
ADR32381
                                                                                                     ADR32430
ADR33575
ADR69939
                AAV70490
AAV70489
       ABX01804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 4; 15pp; German.
                                                                                                                                                                                                         BP.
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                                                                                                                                                                                                        AAQ11501 standard; DNA; 32
                                                                                                                                                                                                                                               20-JUN-1991 (first entry)
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       15
116
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                                                                                                                                                                                                                                                                                                                                                                                                                     (SCHD ) SCHERING AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1991-118338/17.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                    infertility; ss.
        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                               06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                                                                  06-OCT-1989;
                                                                                                                                                                                                                                                                                                                                                             18-APR-1991.
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        AAQ11501;
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                                                                                                                                                                                       RESULT 1
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129 GACAATGAGCTCCAGGAAATGTCCAATCAGGG 160 GACAATGAGCTGCAGGAGATGTCCAACCAGGG 32

RESULT 2

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The invention relates to producing a sub-population of labeled nucleic acids (RARs) comprising contacting a NA sample from a physiological conditions to enzymatically generate sub-population of NAS, where each conditions to enzymatically generate sub-population of NAS, where each conditions to enzymatically generate sub-population of NAS, where each labeled NA is generated using a single gene specific primer. The each labeled NA is generated using a shingle gene specific primer. The custul for analysing the differences in the RNA profiles between several different physiological sources, where the method comprises producing comprising the populations for each physiological sources, comprising the population where the comparison is preferably difference in the population, where the comparison is preferably difference by hybridising the labeled NAS for each of the distinct physiological sources to an array of probe NAS stably associated with the physiological sources to an array of probe NAS stably associated with the surface of a substrate to produce a hybridisation pattern for each of the custuces, and comparing the patterns for each of the sources, where comparing the patterns for each of the sources, or differential gene expression assays are utilised in differential expression analysis of diseased a normal tissue e.g. neoplastic a normal expression analysis of diseased a normal tissue e.g. neoplastic an ormal crissue or different tissue or subtissue types. The present sequence is a the sequence data for this patent did not form part of the invention. Note: the sequence data for this patent did not formed therefore the context of the printed context of the printed context of the printed context of the discontent of the disconte
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
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                                                                                                                                                  Primer; ss; DNA microarray; differential expression analysis; human.
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Pred. No. 16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bibilashvilli R;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 3; SEQ ID NO 747; 11pp; English.
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                                                                                                                  Human gene specific PCR primer #747.
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ID ABK66660 standard; DNA; 25
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                                                                             32-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chenchik A, Jokhadze G,
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les 26; Conserv
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                                                                                                                                                                                                              Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                              35-JAN-1999;
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                                      ABK66659;
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The invention relates to producing a sub-population of labeled mucleic acids (NAs) comprising contacting a NA sample from a physiological acids (NAs) comprising contacting a NA sample from a physiological conditions to enzymatically generate sub-population of NAs, where each conditions to enzymatically generate sub-population of NAs, where each labeled NA is generated using a single gene specific primer. The method is useful for producing a sub-population of labeled NAs which is useful for analysing the differences in the RNA profiles between several different physiological sources, where the method comprises producing cuspulation of labeled NAs for the different physiological sources, comprising the populations for each physiological sources, of differences in the population, where the comparison is preferably difference by physiological sources to an array of probe NAs stably associated with the surface of a substrate to produce a hybridisation pattern for each of the sources, and comparing the patterns for each of the sources, where differential gene expression assays are utilised in differential cypes or different tissue or subtissue types. The present sequence is a thuman gene specific PCR primer used in the method of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at http. wipo. seqdata.uspto.gov/sequence.html?DocID=6352829Bl
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Producing sub-population of labeled nucleic acids, useful for analyzing differences in RNA profiles between several different physiological sources, using set of distinct gene specific primers.
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                                                                                      Primer; 88; DNA microarray; differential expression analysis; human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 25 BP; 6 A; 8 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                           Bibilashvilli R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 3; SEQ ID NO 748; 11pp; English.
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                 02-JUL-2002 (first entry)
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nes 25; Conservative
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                                                                                                                                                                                                                                                                                                                         (CLON-) CLONTECH LAB INC
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                                                                                                                                  Homo sapiens
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ID ADP1
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Renal cell carcinoma differentially expressed gene probe #994

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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having con-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the canes, where each of the genes is differentially expressed in peripheral blood sample to reference expression profile of the compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from canel carcinoma (RCC), prostate caneer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood sample compared at differentially expressed in peripheral blood sample compared to a probe to detect a gene that is differentially expressed and detected by the method
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         ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 1325; 350pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                Trepicchio WL,
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                                                                                                                                                                                      21-NOV-2003; 2003WO-US037481
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nes 25; Conservative
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BURCZYNSKI M E
TREPICCHIO W L.
DORNER A.
STOVER J A.
SLONI D K.
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                                                                                                                  WO2004048933-A2
                                                                                 Homo sapiens
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(TWIN/)
(BURC/)
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having cache as solid tumor by providing an expression profile of specific genes non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the compared to public the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMGs of normal humans. The method is useful for diagnosing compared to PBMGs of normal humans. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from can'd cell cardhoma (RCC), prostate cancer and head/neck cancer. The sample is a whole blood sample (Claimed). (M1) is useful for identifying semple is a whole blood sample (Claimed). (M1) is useful for identifying sends that are differentially expressed in peripheral blood samples (Claimed). (M2) is useful for identifying sequence corresponds to a probe to cheect a gene that is differentially expressed and detected by the method contraction.
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se; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                            Trepicchio WL, Dorner A, Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25 BP; 5 A; 8 C; 6 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 1329; 350pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1564 AACACTCGACTCTGCTGCTCATGGG 1588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP
                                                                                                                                                                           21-NOV-2003; 2003WO-US037481.
                                                                                                                                                                                                             21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                   Burczynski ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25; Conservative
                                                                                                                                                                                                                                                                 WYETH.
TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
DORNER A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-460799/43.
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Best Local Similarity
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                                                                                                             WO2004048933-A2.
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                                                                              Homo sapiens
                                                                                                                                                10-JUN-2004.
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Sloni DK;
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                                                                                                                                                                                                                                                                                                   (BURC/)
(TREP/)
(DORN/)
(STOV/)
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                                                                                                                                                                                                                                                                    AMHP )
                                                                                                                                                                                                                                                                                   TWIN/)
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The invention relate to a method of diagnosing (M1) non-blood disease cuch as solid tumor by providing peripheral blood sample of human having cuch as solid tumor by providing peripheral blood sample to reference expression profile of genes connected to peripheral blood asmple to reference expression profile of the genes is differentially expressed in peripheral comparated to PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMcs of normal humans. The solid tumor is chosen from non-blood disease such as solid tumor. The solid tumor is chosen from connected to peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (alimed). (M1) is useful for identifying sample is a whole blood sample (claimed). (M1) is useful for identifying cample that are differentially expressed in peripheral blood samples confident at different stages of progression, development or treatment of the confidence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ss; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                     Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 25 BP; 8 A; 8 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 1314; 350pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADP14583 standard; DNA; 25 BP
                                                                                                                                                                                                 21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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BURCZYNSKI M E
TREPICCHIO W I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                                                                         (TREP/) TREPICCHIO (DORN/) DORNER A. (STOV/) STOVER J A. (SLON/) SLONI D K.
                                                                                                   402004048933-A2
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Local Sir.
25;
                                                                    Homo sapiens.
                                                                                                                                    10-JUN-2004.
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Sloni DK;
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                                                                                                                                                                                                                                                         (AMHP)
                                                                                                                                                                                                                                                                                            BURC/)
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Matches
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21-NOV-2003; 2003WO-US037481.
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03-APR-2003; 2003US-0459782P.
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BURCZYNSKI M E
TREPICCHIO W L
                                                                                                                                                                                                       (TWIN/) TWINE N C.
(BURC/) BURCZYNSKI
(TREP/) TREPICCHIO
(DORN/) DORNER A.
(STOV/) STOVER J A.
(SLON/) SLONI D K.
                                           WO2004048933-A2
             Homo sapiens
                                                                          10-JUN-2004.
                                                                                                                                                                                                                                                                                                                     Twine NC,
Sloni DK;
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ID ADP1
XX
AC ADP1
XX
DT 26-7
XX
DE Ren
XX
KW B8;
KW Per
XX
XX
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임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relate to a method of diagnosing (M1) non-blood disease

such as solid tumor by providing peripheral blood sample of human having

non-blood disease, and comparing an expression profile of specific genes

in the peripheral blood sample to reference expression profile of the

connection of the genes is differentially expressed in peripheral

blood monnouclear cells (PBMCs) of patients having the disease as

compared to FBMCs of normal humans. The method is useful for diagnosing

non-blood disease such as solid tumor. The solid tumor is chosen from

contained to the genes is enriched PBMCs. The peripheral blood

sample is a whole blood sample (claimed). (M1) is useful for identifying

sample is a whole blood sample (claimed). (M1) is useful for identifying

sample are differentially expressed in peripheral blood sample (claimed). (M2) as useful for identifying

sample at different stages of progression, development or treatment of

RCC and/or other solid tumors. This sequence corresponds to a probe to

detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ss; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                     Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.5%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 19; 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                         Burczynski ME, Trepicchio WL, Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 25 BP; 5 A; 8 C; 4 G; 8 T; 0 U; 0 Other;
head/neck cancer; differential expression; probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 1319; 350pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADP14580 standard; DNA; 25 BP
                                                                                                                                                           21-NOV-2002; 2002US-0427982P.03-APR-2003; 2003US-0459782P.
                                                                                                                              21-NOV-2003; 2003WO-US037481
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hes 25; Conservative
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                                                                                                                                                                                                                           TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
                                                                                                                                                                                                                                                                          DORNER A.
STOVER J A.
                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-460799/43
                                                                                                                                                                                                                                                                                                            SLONI D K.
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of the invention
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                                   ношо варіепв
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                                                                                                10-JUN-2004.
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Sloni DK;
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                                                                                                                                                                                                                           (TWIN/)
(BURC/)
(TREP/)
                                                                                                                                                                                                              AMHP )
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ID ADP1
XX
AC ADP1
XX
DT 26-P
XX
DE Rena
XX
KW B8;
KW Peri
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the canes, where each of the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from cannot blood asmple comprises enriched PBMCs. The peripheral blood sample (C), prostate cancer and head/neck cancer. The genes that are differentially expressed in peripheral blood sample (S angle is a whole blood sample (laimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples (C and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                   Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
Stover JA;
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0
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100.0%; Pred. No. 19;
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Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25 BP; 2 A; 9 C; 8 G; 6 T; 0 U; 0 Other;
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0
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Burczynski ME, Trepicchio WL,
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                               WPI; 2004-460799/43.
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WO2004048933-A2
                                10-JUN-2004
                                                                                                                      (TWIN/)
(BURC/)
(TREP/)
(DORN/)
(STOV/)
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                                                                                                                                                                                                                                                                                                                                        The invention relate to a method of diagnosing (M1) non-blood disease

c such as solid tumor by providing peripheral blood sample of human having

c such as solid tumor by providing peripheral blood sample of specific genes

c non-blood disease, and comparing an expression profile of specific genes

cc non-blood disease cach of the genes is differentially expressed in peripheral

c genes, where each of the genes is differentially expressed in peripheral

c compared to PBMCs of normal humans. The method is useful for diagnosing

c compared to PBMCs of normal humans. The solid tumor is chosen from

c non-blood disease such as solid tumor. The solid tumor is chosen from

c non-blood disease such as solid tumor. The solid tumor is chosen from

c peripheral blood sample comprises enriched PBMCs. The peripheral blood

c sample is a whole blood sample (claimed). (M1) is useful for identifying

c genes that are differentially expressed in peripheral blood samples

c isolated at different stages of progression, development or treatment of

c cand or other solid tumors. This sequence corresponds to a probe to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                          Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                     Trepicchio WL, Dorner A, Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Renal cell carcinoma differentially expressed gene probe #990.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25 BP; 5 A; 9 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 1326; 350pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1556 TGCACTCTAACACTCGACTCTGCTG 1580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TGCACTCTAACACTCGACTCTGCTG 25
                                                                      21-NOV-2003; 2003WO-US037481.
                                                                                             21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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                                                                                                                                                                                                                        Burczynski ME,
                                                                                                                                         TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
DORNER A.
STOVER J A.
                                                                                                                                                                                                                                                          WPI; 2004-460799/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                             WO2004048933-A2
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         Homo sapiens.
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                                                    10-JUN-2004.
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Sloni DK;
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                                                                                                                                                                                        (STOV/)
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                                                                                                                                                                 (TREP/)
(DORN/)
                                                                                                                                            (/NIMI
                                                                                                                                                       BURC/)
                                                                                                                                 (AMHP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
cun-blood disease, and comparing an expression profile of specific genes
con-blood disease land comparing an expression profile of the
compared to partial blood sample to reference expression profile of the
compared to partial blood sample to reference expression profile of the
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to blood sample comparises enriched PBMCs. The peripheral blood sample comparises enriched PBMCs. The peripheral blood
compared at differentially expressed in peripheral blood samples
compared at different stages of progression, development or treatment of
condition of the compared to a probe to
condition of the invention.
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 1321; 350pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Twine NC, Burczynski ME, Trepicchio WL,
Sloni DK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1397 AGATGTGGATGTTGCTTTTGCACCT 1421
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03-APR-2003; 2003US-0459782P.
21-NOV-2003; 2003WO-US037481.
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BURCZYNSKI M E.
TREPICCHIO W L.
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                                                                                                                                                                                                                                                                                                                                                                                   (SLON/) SLONI D K.
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such as solid tumor by providing peripheral blood sample of human having

conditional diagness, and comparing an expression profile of specific genes

in the peripheral blood sample to reference expression profile of the

compared to PBMCs of normal humans. The method is useful for diagnosing

compared to PBMCs of normal humans. The method is useful for diagnosing

non-blood disease such as solid tumor. The solid tumor is chosen from

compared to PBMCs), prostate cancer and head/neck cancer. The

peripheral blood sample comprises enriched PBMCs. The peripheral blood

sample is a whole blood sample (claimed). (M1) is useful for identifying

consent are differentially expressed in peripheral blood samples

isolated at different stages of progression, development or treatment of

contract of the invention.
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                                                                                                                                                                                                                                                                                                                                            Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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Best Local Similarity 100.0%; Fred. No. 19;
Best Local Similarity 0, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 1323; 350pp; English.
                                                                                                                                                                                                                                                                   Trepicchio WL,
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03-APR-2003; 2003US-0459782P
                                                             21-NOV-2003; 2003WO-US037481
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                                                                                                                                                                                                                                                                   Burczynski ME,
                                                                                                                                                      TWINE N C.
BURCZYNSKI M E.
TREPICCHIO W L.
DORNER A.
STOVER J A.
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                              10-JUN-2004
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Sloni DK;
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(BURC/)
(TREP/)
(DORN/)
(STOV/)
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample compities enriched PBMCs. The peripheral blood sample (Claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method of the invention.
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure, SEQ ID NO 1318; 350pp; English.
                                                                                                                                                                                                                                                                                                                                                                                      Trepicchio WL,
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                                                                                                21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
                                                21-NOV-2003; 2003WO-US037481
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Sloni DK;
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BURCZYNSKI M E
TREPICCHIO W L
                                                                                                                                                                                                   (TWIN/) TWINE N C.
(BURC/) BURCZYNSKI M
(TREP/) TREPICCHIO W
(DORN/) DORNER A.
(STOV/) STOVER J A.
(SLON/) SLONI D K.
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10-JUN-2004.
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21-NOV-2003; 2003WO-US037481.

Stover JA;

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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having con-blood disease, and comparing an expression profile of specific genes non-blood disease, and comparing an expression profile of the in the peripheral blood sample to reference expression profile of the conformal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The solid tumor is chosen from non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as solid tumor. The solid tumor is chosen from cample a whole blood sample (Claimed). (M1) is useful for identifying enripheral blood sample (Claimed). (M1) is useful for identifying sense that are differentially expressed in peripheral blood samples (Cadimed). (M1) is useful for identifying solated at different stages of progression, development or treatment of solated a gene that is differentially expressed and detected by the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
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100.0%; Pred. No. ...
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                                                                                                                                                                                                                               Trepicchio WL,
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                           21-NOV-2003; 2003WO-US037481.
                                                         21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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TWINE N C.
BURCZYNSKI M F
TREPICCHIO W I
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hes 25; Conserva
                                                                                                                                                                                                                                                                                 WPI; 2004-460799/43.
                                                                                                                                                                      DORNER A.
STOVER J A.
                                                                                                                                                                                                     SLONI D K.
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10-JUN-2004.
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                                                                                                                                                                                                                                                   Sloni DK;
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(STOV/) S
                                                                                                            AMHP )
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(TREP/)
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Matches
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The invention relate to a method of diagnosing (MI) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
concluded disease, and comparing an expression profile of specific genes
concluded disease, and comparing an expression profile of the
concluded sample to reference expression profile of the
compared to peripheral blood sample to reference sypression profile of the
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The method is useful for diagnosing
compared to PBMCs of normal humans. The solid tumor is chosen from
non-blood disease such as solid tumor. The solid tumor is chosen from
compared to rarcinoma (RCC), prostate cancer and head/neck cancer. The
cample is a whole blood sample (claimed). (MI) is useful for identifying
cample is a whole blood sample (claimed). (MI) is useful for identifying
cample that are differentially expressed in peripheral blood samples
cisolated at different stages of progression, development or treatment of
concluded other solid tumors. This sequence corresponds to a probe to
corresponds to a gene that is differentially expressed and detected by the method
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
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tive 0; Mismatches
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                                                                                                                                                                                                                                   Trepicchio WL,
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                                         21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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BURCZYNSKI M E.
TREPICCHIO W L.
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Best Local Similarity
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                                                                                                                                                                  DORNER A.
STOVER J A.
                                                                                                                                                                                                        SLONI D K.
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                                                                                                   AMHP ) WYETH
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                                                                                                                                                                                                                                          Twine NC,
Sloni DK;
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                                                                                                                                                                      (DORN/)
(STOV/)
(SLON/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of the
                                                                                                                   (TWIN/)
(BURC/)
                                                                                                                                                     TREP/)
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Gaps

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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes, where each of the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from renal cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comparises enriched PBMCs. The peripheral blood sample is a whole blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples is different stages of progression, development or treatment of RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.5%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 19; Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                            Trepicchio WL, Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 25 BP; 7 A; 9 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 1324; 350pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1480 CTCTGCACGTCACCAAGTAACCAGG 1504
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21-NOV-2003; 2003WO-US037481
                                                    21-NOV-2002; 2002US-0427982P
03-APR-2003; 2003US-0459782P
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                                                                                                                                                                                                                                                                                                                                            Burczynski ME,
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                                                                                                                                                    TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
STOVER J A.
SLONI D K.
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Sloni DK;
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                                                                                                                              (AMHP) (TWIN/) (BURC/) (TREP/)
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The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
non-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
cenes, where each of the genes is differentially expressed in peripheral
blood monnuclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
conpared to PBMCs of normal humans. The solid tumor is chosen from
compared to PBMCs of normal humans and head/neck cancer. The
peripheral blood sample comprises enriched PBMss. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are different stages of progression, development or treatment of
RCC and/or other solid tumors. This sequence corresponds to a probe to
detect a gene that is differentially expressed and detected by the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      se; diagnosis; non-blood disease; solid tumor; gene expression;
peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                          Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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tive 0; Mismatches
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             21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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Matches 25; Conservative
                                                                        TWINE N C.
BURCZYNSKI M E
TREPICCHIO W L
DORNER A.
STOVER J A.
SLONI D K.
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Sloni DK;
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(STOV/) S
(SLON/) S
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(BURC/)
(TREP/)
                                                            (AMHP)
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03-APR-2003; 2003US-0459782P.
                         AMHP )
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                                                                                                                                                                                                                                                               The invention relate to a method of diagnosing (M1) non-blood disease cuch as solid tumor by providing peripheral blood sample of human having cuch as solid tumor by providing peripheral blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the interest of the genes is differentially expressed in peripheral blood sample to reference expression profile of the compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The solid tumor is chosen from non-blood disease such as solid tumor. The solid tumor is chosen from can'd call carchnoma (RCC), prostate cancer and head/neck cancer. The cample is a whole blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples. Sisplated at different stages of progression, development or treatment of isolated a gene that is differentially expressed and detected by the method of the invention.
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
                                                                                                                                                                                               Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes.
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                                                                                                                                       Stover JA;
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Pred. No. 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                         Trepicchio WL, Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 25 BP; 8 A; 6 C; 7 G; 4 T; 0 U; 0 Other;
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100.0%; Pred. No. 1.,
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        21-NOV-2002; 2002US-0427982P.
03-APR-2003; 2003US-0459782P.
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                          Iwine NC, Burczynski ME, Sloni DK;
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                                                       TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
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                                                                                             DORNER A. STOVER J A.
                                                                                                                     SLON/) SLONI D K.
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                                                                      (BURC/)
(TREP/)
(DORN/)
(STOV/)
                                                 (AMHP)
                                                            (/NIMI)
                                                                                                                                                          Sloni
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The invention relate to a method of diagnosing (M1) non-blood disease such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes of the genes is differentially expressed in peripheral specific of the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from con-blood disease such as entitle the solid tumor is chosen from the peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying sample is a whole blood sample (claimed). (M1) is useful for identifying sample is a whole blood sample (claimed), development or treatment of solid tumors. This sequence corresponds to a probe to RCC and/or other solid tumors. This sequence corresponds to a probe to
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peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer;
head/neck cancer; differential expression; probe.
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                                                                                                                                                                                                             Stover JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 1317; 350pp; English.
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03-APR-2003; 2003US-0459782P.
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TWINE N C.
BURCZYNSKI M E
TREPICCHIO W I
                                                                                                                                                                                                                                                                                                              WPI; 2004-460799/43
                                                                                                 DORNER A. STOVER J A
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(STOV/)
      (TWIN/)
(BURC/)
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Disclosure, SEQ ID NO 1327; 350pp; English.
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                                                                                                                                                                                                                                                                                                  Human clusterin PCR primer 2.
                                                                                                                                                                                                                                                                                                                                                                10-SEP-2001; 2001WO-US028235
                                                                                                                                                                                                                                                                   ABN99658 standard; DNA; 23
                                                                                                                                                                                                                                                                                        (first entry)
                                              Burczynski ME,
                                                                                                                                                                                                              Local Similarity 100.
        (TWIN/) TWINE N C.
(BURC/) BURCZYNSKI M E
(TREP/) TREPICCHIO W L.
(STOV/) STOVER J A.
(STOV/) SLOVI D K.
                                                             WPI; 2004-460799/43
                                                                                                                                                                                                                                                                                                                                            WO200222635-A1
                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                        16-AUG-2002
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                                             Twine NC,
Sloni DK;
                                                                                                                                                                                                           Query Match
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    (AMHP)
                                                                                                                                                                                                                Best Loc
Matches
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperpoliferative disordests, and hyperlipidemic disorders. The present DNA sequence represents a PCR primer used to amplify the human clusterin TRPM-2; testosterone-repressed prostate message-2; cytostatic; RT-PCR; androgen; prostate cancer; anti-apoptotic protein; antisense; primer; ss. New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2. Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder. DB 1; Length 23; 28; 0; Indels Monia BP; Human TRPM-2 cDNA amplifying RT-PCR antisense primer. Sequence 23 BP; 5 A; 6 C; 5 G; 7 T; 0 U; 0 Other; Miyake H, Nelson C, / Match 1.4%; Score 23; DB Local Similarity 100.0%; Pred. No. 28; nes 23; Conservative 0; Mismatches 789 CITGAGATGATACACGAGGCTCA 811 Example 13; Page 80; 125pp; English 23 CTTGAGATGATACACGAGGCTCA 1 Example 13; Page 20; 44pp; English. BP. (UYBR-) UNIV BRITISH COLUMBIA. 22-FEB-2002; 2002US-00080794. 20-FEB-2003; 2003WO-US005305 ACF36411 standard; DNA; 23 (first entry) Gleave M, Rennie PS, Freier SM; WO2003072591-A1. Homo sapiens 18-DEC-2003 04-SEP-2003 Monia BP, ACF36411; Query Match RESULT 21 ACF36411/c Matches ò The invention relate to a method of diagnosing (M1) non-blood disease
such as solid tumor by providing peripheral blood sample of human having
con-blood disease, and comparing an expression profile of specific genes
in the peripheral blood sample to reference expression profile of the
cense, where each of the genes is differentially expressed in peripheral
blood mononuclear cells (PBMCs) of patients having the disease as
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
compared to PBMCs of normal humans. The method is useful for diagnosing
non-blood disease such as solid tumor. The solid tumor is chosen from
compared to DBMCs of normal humans. The method is useful for diagnosing
serial blood sample comprises enriched PBMCs. The peripheral blood
sample is a whole blood sample (claimed). (M1) is useful for identifying
genes that are differentially expressed in peripheral blood samples
isolated at differents stages of progression, development or treatment of
cand/or other solid tumors. This sequence corresponds to a probe to ö Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes. Gaps Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder, ss, PCR, primer, hyperproliferative disorder, hyperlipidemic disorder. Stover JA; .. 0 Score 25; DB 1; Length 25; Pred. No. 19; 0; Indels Trepicchio WL, Dorner A, Seguence 25 BP; 5 A; 9 C; 4 G; 7 T; 0 U; 0 Other; 1.5%; Scc... 100.0%; Pred. No. ... 0; Mismatches 1 CTAACACTCGACTCTGCTGCTCATG 25 BP

The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at posticions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in

(ISIS-) ISIS PHARM INC

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Gaps

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PCR primer for amplifying the anti-apoptotic protein TRPM-2 (testosterone

-repressed prostate message-2) cDNA

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on culcotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the constitution nucleotides 5-17 are 2'-deoxy, and (b) the cytosines at constitution nucleotides 5-17 are 2'-deoxy, and (b) the cytosines at postitions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence calculated and of androgen-sensitive of androgen-sensitive of androgen-sensitive of androgen sensitivity of control titro; (b) to treat prostatic cancer (after initially withdrawing cancer vitro; (b) to treat prostatic cancer (after initially withdrawing cancer calcula (prostatic, renal, non-small cell lung, urothelial transitional, contain and some breast cancer cells) that express abnormal levels of covarian and some breast cancer cells) that express abnormal levels of concernesse stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antispopeout sequence represents a RT-
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androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antispoptotic genes. The present sequence represents a RT-propressed manification in tRPM-2 (testosterone propressed manification) and manification in transitions.
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tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                    -repressed prostate message-2) cDNA
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Best Local Similarity
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AAC ACF3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                   Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; 88.
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100.0%; Pred. No. 28;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zellweger T;
                                                       Score 23; DB 1; Length 23;
Pred. No. 28;
                                                                                   0; Indels
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                             Sequence 23 BP; 11 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                Human TRPM-2 amplifying antisense RT-PCR primer.
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                                                                      100.0%; Preu. ... 0; Mismatches
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                                                                                                                  177 AAGGAAATTCAAAATGCTGTCAA 199
                                                                                                                                AAGGAAATTCAAAATGCTGTCAA 23
                                                                                                                                                                                                                   BP.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                               1.48;
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Best Local Similarity 100.
Matches 23; Conservative
                                                                                                                                                                                                                   ADM83082 standard; DNA; 23
                                                                                                                                                                                                                                                                           (first entry)
                                                                                           23; Conservative
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RENNIE P S
MIYAKE H.
NELSON C.

    -2) amplifying RT
of the invention.

                                                                            Similarity
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(NELS/) N
(ZELL/) 2
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Best Local S
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ADM83081;

RESULT 2 ADM83081

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The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70522-CC stranded short interfering RNA (siRNA) of the invention ADL70522-CC ADL70523. It was used in an example from the invention to demonstrate CC clusterin gene silenting in PC-3 prostate cancer cells. Clusterin, also CK mown as testosterone-repressed prostate message-2 (TRPM-2) or sulfated CC glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate ct tumour cells following androgen withdrawal, and has also been shown to be CC critical for neuritic toxicity in mouse models of Alzheimer's disease. CC sirkNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, chess cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment colon cancer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                         RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                  Human clusterin target for RNAi.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                     Homo sapiens.
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                                      20-MAY-2004
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Gonos ES;
                                                                                                                                                                                                                                         Synthetic.
ADL70521;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TREM-2). The invention is useful for enhancing the chemo-sensitivity or cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TREM-2) amplifying RT-PCR primer. The primer is used in the exemplification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                       Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; reverse transcription; RT-PCR; primer; ss.
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                                                                                                                                                                                                                                                                                  Human TRPM-2 amplifying sense RT-PCR primer.
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957 AAGTGCCGGGAGATCTTGTCTGT 979
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                    AAGTGCCGGGAGATCTTGTCTGT 1
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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(RENN/) RENNIE P S.
(MIYAK H.
(NELS/) MIYAKE H.
(NELS/) ZELLWEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003158130-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                       03-JUN-2004
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Best Local S:
Matches 23
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Trougakos IP;

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Gaps

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RESULT 25 ADL70521 ID ADL7 XX

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10828394-1_1-1643.rng.sl

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The present sequence is a human clusterin cDNA target for a double-
c stranded short interfering RNA (siRNA) of the invention ADL70513-
C GLUSTENTIN GENE SIGNATION OF THE INVENTION TO demonstrate
CC CLUSTENTIN GENE SIGNATION OF THE STREAM O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNA interference, RNAi, short interfering RNA; siRNA, human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jansen B, Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23 BP; 5 A; 9 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 6; SEQ ID NO 57; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    480 AACCAGAGCTCGCCCTTCTACTT 502
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AACCAGAGCTCGCCCTTCTACTT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL/10515 standard; cDNA; 23 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                     21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                   21-AUG-2003; 2003WO-CA001277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease or cancer.
                                                                                                                                                                                               WO2004018676-A2.
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Synthetic.
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                                                                                                                    sapiens.
                                                                                                                                                                                                                                                    04-MAR-2004
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                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 27
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The present sequence is a human clusterin cDNA target for a double-stranded short interfering RNA (siRNA) of the invention ADL70516.
ADL70517. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate cancer cells. Clusterin, also glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAS of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large call lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                 New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                    Trougakos IP;
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Pred. No. 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 23 BP; 4 A; 9 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                   Jansen B, Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100.0%; Pred. No. 28; es 23; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                Example 6; SEQ ID NO 60; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                711 AAGTCCCGCATCGTCCGCAGCTT 733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human clusterin target for RNAi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL70518 standard; cDNA; 23 BP
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                                                                                                                                                                      (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                        21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                          21-AUG-2003; 2003WO-CA001277.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of Alzheimer's disease.
                                                                                                                                                                                                                                                      WPI; 2004-226852/21.
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             WO2004018676-A2.
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                                              04-MAR-2004.
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                                                                                                                                                                                                                      Gonos ES;
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Gaps ; 0

1.4%; Score 23; DB 1; Length 23; 100.0%; Pred. No. 28; iive 0; Mismatches 0; Indels

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WPI; 1996-443130/44.
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                                                                                                                                                                                                                                                                         RESULT 30
                                                                                                                                                                                                                                                                                     AAA52783
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                                                                                                                                                                                                            The present sequence is a human clusterin cDNA target for a double-carranded short interfering RNA (siRNA) of the invention ADL70519-CC stranded short interfering RNA (siRNA) of the invention ADL70519-CC ADL70520. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of the prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chromosome 8p clustrin gene (CL1) specific primer (nt 2504-2524)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chromosome 8p; polymerase chain reaction; PCR; primer; CL1; clustrin gene; human; steroidogeneis; acute regulatory protein; regional mapping; confirmation; hStAR; ss.
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                                                                            Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.4%; Score 23; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 28; Matches 23; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23 BP; 10 A; 4 C; 1 G; 8 T; 0 U; 0 Other;
                                                                            Beraldi E,
                                                                                                                                                                                             Example 6; SEQ ID NO 63; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1613 AACTAATTCAATAAAACTGTCTT 1635
                                                                             Gleave ME, Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AACTAATTCAATAAAACTGTCTT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lin D, Strauss JF;
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                                                       (UYBR-) UNIV BRITISH COLUMBIA
          21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAT39500 standard; DNA; 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                              WPI; 2004-226852/21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-MAY-1997
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                                                                             Jansen B,
Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                                                                                                                                       The present sequence is a human chromosome 8p clustrin gene (CL1) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
   for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pig; clusterin; cell migration; wound healing; angiogenesis; cancer; vascular trauma; vascular disease; atherosclerosis; restenosis; complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2;
Isolated human steroidogenesis acute regulatory protein gene - used detection of mutation(s) of this gene that cause congenital lipoid
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                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 8 A; 5 C; 6 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1354 AGAAAGCGCTGCAGGAATACC 1374
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21
                                                                                                                                                Example 7; Page 51; 89pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Porcine clusterin PCR primer #1.
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                                                                         adrenal hyperplasia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200034469-A1
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Human testosterone-repressed prostate message-2 antisense oligo #7.
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                                                                                                                                                                                                                                                                                                                                            Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-533132/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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                                                                                                            Homo sapiens
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Matches
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AAA94230/c
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                                         DB 1;
39;
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human testosterone repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
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sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
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Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
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tive 0; Mismatches 0; Indels
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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRFM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotentivity of the cells, meaning that conventional chemotherapy is Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene. Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other; Example 5; Page 37; 38pp; English 21; Conservative WPI; 2000-533132/48 Query Match Best Local Similarity more effective 21 AAA94232; Matches ð 셤

716 CCGCATCGTCCGCAGCTTGAT 736 CCGCATCGTCCGCAGCTTGAT 1 ВР AAA94232 standard; DNA; 21 (first entry) 12-JAN-2001

Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss Human testosterone-repressed prostate message-2 antisense oligo #8.

Homo sapiens

WO200049937-A2

31-AUG-2000

25-FEB-2000; 2000WO-US004875

99US-0121726P 26-FEB-1999; (UYBR-) UNIV BRITISH COLUMBIA

Rennie PS, Miyake H, Gleave M,

ΰ Nelson

WPI; 2000-533132/48

Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.

Example 5; Page 37; 38pp; English.

The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is nore effective

ö Gaps ö DB 1, Length 21; 39; IndelB . Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches 1115 CTCCTTGCTGGAGCAGCTGAA 1135 21 CTCCTTGCTGGAGCAGCTGAA 1 g

Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other;

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BP. AAA94233/c ID AAA94233 standard; DNA; 21

RESULT 35

AAA94233;

(first entry) 12-JAN-2001 Human testosterone-repressed prostate message-2 antisense oligo #9

Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss

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1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; ive 0; Mismatches 0; Indels

WO200049937-A2

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99US-0121726P 26-FEB-1999; (UYBR-) UNIV BRITISH COLUMBIA

Miyake H, Nelson C; Gleave M, Rennie PS,

WPI; 2000-533132/48.

oŧ Treating prostatic tumors and renal cancers by antisense inhibition the testosterone-repressed prostate messenger-2 gene.

Example 5; Page 38; 38pp; English

The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tunours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is

Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;

Gaps ö 1.3%; Score 21; DB 1; Length 21; larity 100.0%; Pred. No. 39; Conservative 0; Mismatches 0; Indels Best Local Similarity Matches 21; Conserv Query Match

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1316 CTCCAGGAAGAACCCTAAATT 1336 CTCCAGGAAGAACCCTAAATT 21

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8

AAA94229 standard; DNA; 21 RESULT 36
AAA94229/c
ID AAA9422
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AC AAA942:
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DT 12-JAN

AAA94229;

BP,

12-JAN-2001 (first entry)

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Nelson

Miyake H,

Rennie PS,

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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is
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                                  Human; testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
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       Human testosterone-repressed prostate message-2 antisense oligo #5.
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast chance. The cells. In addition to this, they also increase the chemospassitivity of the cells, meaning that conventional chemotherapy is more effective
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                                                   Treating prostatic tumors and renal cancers by antisense inhibition the testosterone-repressed prostate messenger-2 gene.
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Similarity 100.0%;
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The present sequence is an antisense oligonucleotide directed at the human testostezone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemotherapy is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                          Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                                   Human testosterone-repressed prostate message-2 antisense oligo #1
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/standard name= "Single nucleotide polymorphism"
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 2 A; 6 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human gene single nucleotide polymorphism #2419.
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                                                                                                                                                                                                                                                                                                                                                                              Nelson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 5; Page 36; 38pp; English
                                                                                                                                                                                                                                                                                                                                                                              Miyake H,
                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA.
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                                                                                                                                                                                                                                                          25-FEB-2000; 2000WO-US004875.
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(first entry)
  (first entry)
                                                                                                                                                                                                                                                                                                                                                                              Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-533132/48.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            more effective
                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                  26-FEB-1999;
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Unidentified
12-JAN-2001
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06-JUN-2001
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variation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating prostatic tumors and renal cancers by antisense inhibition of the testosterone-repressed prostate messenger-2 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, testosterone-repressed prostate message-2; TRPM-2; clusterin; sulfated glycoprotein-2; SGP-2; cancer; antisense oligonucleotide; ss
                                                                                                 Gaps
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                                                       1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; tive 0; Mismatches 0; Indels
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                    Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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                                                                                                                                        1516 AGGCCCCCAACTCCGCCCAGC 1536
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 5; Page 36; 38pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 AATCAGAGACAAAGCTGAAGG 1
                                                                                                                                                             21. AGGCCCCAACTCCGCCCAGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAA94225 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                               AAA94228 standard; DNA; 21 BP
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                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                          Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
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nes 21; Conserv
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31-AUG-2000

AAA94228

Gleave M,

Query Match

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AAA94225

AAA94225/ ID AAA9 XX AC AAA9

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Gaps

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WO200118250-A2.
                              15-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAF97657;
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                                                                                                                                                                                                                                                        The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of folymorphic sites are also provided in the specification. In particular, the method can be used in the disease, stroke, peripheral vascular diseases, wencus thrombosmobilsm and pulmonary embolism. Single nucleotide polymorphics (SNPs) are also useful in forenaics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; variant thrombospondin 1; variant thrombospondin 4; SNP;
polymorphism; vascular disease; coronary artery disease; forensics;
myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                           Mccarthy JJ;
                                                                                                                                                                                  Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis, and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                         Revised record issued on 18-NOV-2004 : The variantion feature was incorrectly given a captial \ensuremath{\mathrm{V}}
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/standard_name= "Single nucleotide polymorphism"
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                                                                                                                                                                                                                                                                                                                                                                                                                                              ch 1.3%; Score 21; DB 1; Length 21; 1 Similarity 100.0%; Pred. No. 39; 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                             Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 7 A; 7 C; 6 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human gene single nucleotide polymorphism #2417.
                                                                                                                                             Bolk S,
                                                                                                            (WHED ) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1170 CTCACGCAAGGCGAAGACCAG 1190
                                                                                                                                             Ireland JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTCACGCAAGGCGAAGACCAG 21
                                                                                                                                                                                                                                          Example; Page 212; 242pp; English.
                                                                    10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
                                               07-SEP-2000; 2000WO-US024503
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                                                                                                                                             Gargill M,
                                                                                                                                                                   WPI; 2001-226749/23.
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         WO200118250-A2
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Unidentified
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06-JUN-2001
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variation
                             15-MAR-2001
                                                                                                                                                 Lander ES,
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Best Local S
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polymorphism; vascular disease; coronary artery disease; forensics;
myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
pulmonary embolism; paternity test; ds.
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                                                                                                                                                                                                                                                     Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Revised record issued on 18-NOV-2004 : The variantion feature was incorrectly given a captial V
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                                                                                                                                                                                                                                                        Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 8 A; 3 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                     (WHED ) WHITEHEAD INST BIOMEDICAL RES (MILL-) MILLENNIUM PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GAGAGGTTGACCAGGAATAC 21
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                                                       10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-025724P.
07-SEP-2000; 2000WO-US024503
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(first entry)
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Best Local Similarity 100.
Matches 21; Conservative
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                                                                                                                                                                                                                                                                 Gargill M,
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Unidentified
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06-JUN-2001
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Mccarthy JJ;

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The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various oblymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                     Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and atherosclerosis.
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 /*tag= a
/standard_name= "Single_nucleotide_polymorphism"
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100.0%; Pred. No. 39;
rative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                          (WHED ) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC.
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26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
                                                                                                                                07-SEP-2000; 2000WO-US024503
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Best Local Similarity 100.
Matches 21; Conservative
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                                                       WO200118250-A2
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                                                                                           15-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atheroselerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                     Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                           Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Revised record issued on 18-NOV-2004 : The variantion feature was incorrectly given a captial \boldsymbol{V}
/standard_name= "Single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                     Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seguence 21 BP; 3 A; 9 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human gene single nucleotide polymorphism #2420.
                                                                                                                                                                                                                                                                                     Lander ES, Gargill M, Ireland JS, Bolk S,
                                                                                                                                                                                                                              BIOMEDICAL RES
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11
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example; Page 212; 242pp; English.
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                                                                                                                                                  99US-0153357P.
2000US-0220947P.
2000US-0225724P.
                                                                                                               07-SEP-2000; 2000WO-US024503
                                                                                                                                                                                                                          (WHED ) WHITEHEAD INST BIOME (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAF97659 standard; DNA; 21
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Matches 21, Conservative
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                                                                                                                                                                                                                                                                                                                         WPI; 2001-226749/23
                                                                                                                                                                                                                                                                                                                                                                                                                        atherosclerosis.
                                     WO200118250-A2
                                                                                                                                                                    26-JUL-2000;
16-AUG-2000;
                                                                                                                                                    10-SEP-1999;
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Unidentified
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06-JUN-2001
                                                                           15-MAR-2001
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variation
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Gaps

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present by agence represents a PCK probe specific for the human clusterin processions. The present sequence is labelled with a fluorescent reporter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                             Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                      1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
iive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 10 C; 3 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                   gene. NOTE: The present sequence is die (FAM) and a quencher dye (FAMRA)
                                                                                                                                                                                                               Example 13; Page 80; 125pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 40; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCCACGCCATGTTCCAGCCCT 786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TRPM-2 antisense oligonucleotide.
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10-SEP-2001; 2001WO-US028235
                              11-SEP-2000; 2000US-00659791
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Matches 21; Conservative
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                                                            (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-689981/65.
                                                                                            Freier SM;
                                                                                                                       WPI; 2002-404805/43.
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                                                                                            Monia BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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The invention relates to a compound consisting of an oligomucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the positions 1, 4 and 19 are 2'-deoxy; and (b) the cytosines at constitutions 1, 4 and 19 are 5-methylated. Oligomucleotide shown in sequence constitutions 1, 4 and 19 are 5-methylated. Oligomucleotide shown in sequence constitutions 1, 4 and 19 are 5-methylated. Oligomucleotide shown in sequence constitutions 1, 2 to the androgen-independent state, in vivo or in prostatic cancer (after initially withdrawing contropies to induce apoptosis); and (c) to increase sensitivity or in contropies to induce apoptosis; and (c) to increase sensitivity or in (l) constitutions and some breast cancer cells) that express abnormal levels of increase stability in vivo and activity (both in vivo or in vitro) and cresult in a synergistic increase in effect when (l) is used with chemotherapoutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. The present sequence represents an antisence of anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36198 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 2 A; 6 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Miyake H, Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TRPM-2 antisense oligonucleotide #11.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 CCGAGGCGTGCAAAGACTCCA 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21 CCGAGGCGTGCAAAGACTCCA 1
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                                                                                                                                                                                                                                                                                                                                                                    antisense oligonucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
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androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonaclectides directed against other antiapoptotic genes. Sequences ACF36399-406 represent antisense oligonuclectides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
          8888888888888888888
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Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;

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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches 0; Indel8
                                                                             1316 CTCCAGGAAGAACCCTAAATT 1336
                                                                                                      CTCCAGGAAGAACCCTAAATT 1
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ACF36406 standard; 21 ACF36406;

(first entry) 18-DEC-2003

TRPM-2 antisense oligonucleotide #12

TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.

Synthetic

Homo sapiens

WO2003072591-A1.

04-SEP-2003

20-FEB-2003; 2003WO-US005305.

22-FEB-2002; 2002US-00080794.

(UYBR-) UNIV BRITISH COLUMBIA

Nelson C, Monia Miyake H, Gleave M, Rennie PS,

WPI; 2003-689981/65

New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.

Example 5; Page 42; 44pp; English

The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1.4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence constitutions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-sensitive constatic cancer calls to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer calls (prosestic, renal, non-small cell) lung, urothelial transitional, ovarian and some breast cancer calls) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. Sequences ACF36399-406 represent

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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches 0; Indels

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on unleotide residues 1-4 and 18-21 are 2'-0-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of 46783689 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in viro; (b) to treat prostatic cancer (after initially withdrawing candrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, carian and some breast cancer cells) that express abnormal levels of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, carian and some breast cancer cells) that express abnormal levels of increase stability in vivo and activity (both in vivo or in vitro) and crease stability in vivo and activity (both in vivo or in vitro) and cassing to ther antispoptotic genes. Sequences ACF36399-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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antisense oligonucleotides targeted against human anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) gene
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                                                                                                                                            Gaps
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                                                                                                DB 1; Length 21;
39;
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                                                            Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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                                                                                                Query Match
1.3%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches
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                                                                                                                                                                                  1516 AGGCCCCCAACTCCGCCCAGC 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 5; Page 40; 44pp; English
                                                                                                                                                                                                       21 AGGCCCCAACTCCGCCCAGC 1
                                                                                                                                                                                                                                                                                                                          BP.
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                                                                                                                                                                                                                                                                                                                          ACF36399 standard; DNA; 21
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ACF36399/c
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ACF36401 standard; DNA; 21 BP.

ACF36401;

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The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on conscious treations 1.4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the conscious 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of prostatic cancer cells to the androgen-independent state, in vivo or in prostatic cancer (after initially withdrawing control (b) to treat prostatic cancer (after initially withdrawing calls (prostatic, renal, non-small cell lung, urothelial transitional, cells (prostatic, renal, non-small cell lung, urothelial transitional, transitional, transitional, and come breast cancer cells) that express abnormal levels of ovarian and some breast cancer cells) that express abnormal levels of increase stability in vivo and activity (both in vivo or in vitro) and increase stability in vivo and activity (both in vivo or in vitro) and consecuted in a synergistic increase in effect when (I) is used with
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; 88.
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100.0%; Pred. No. 39;
iive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Monia BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TRPM-2 antisense oligonucleotide #8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 5; Page 41; 44pp; English
114 GACCAGACGGTCTCAGACAAT 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Miyake H,
                                                      GACCAGACGGTCTCAGACAAT 1
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                                                                                                                                                                                                                                                                  BP
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                      ACF36402 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                             18-DEC-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                        ACF36402;
                                                                                 21
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                                                                                                                                                                                                RESULT 50
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XXX ACF3

XXX ACF3

XXX ACF3

XXX TRPM

XXX TRPM

XXX TRPM

XXX TRPM

XXX YOUNG

XXX YOU
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The invention relates to a compound consisting of an oligomucleotide with consisting of a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the consisting 1, and 19 are 5-methylated. Oligomucleotide shown in sequence opsitions 1, and 19 are 5-methylated. Oligomucleotide shown in sequence of postatic cancer calls to delay progression of androgen-sensitive concertor (a prostatic cancer calls to the androgen-independent state, in vivo or in calls (prostatic, renal, non-small cell ung, urothelal translitional, calls (prostatic, renal, non-small cell lung, urothelal translitional, colls (prostatic, renal, non-small cell lung, urothelal translitional, constant and some breast cancer cells) that express abnormal levels of ovarian and some breast cancer cells) that express abnormal levels of concertor expense stability in vivo and activity (both in vivo or in vitro) and concernerapeutic agents or other antisense oligomucleotides directed against other antispoptotic genes. Sequences ACF3639-406 represent contisense oligomucleotides targeted against human anti-apoptotic protein antisense oligomucleotides targeted against human anti-apoptotic protein contracts.
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                                                                                                                       TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                           Monia BP;
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                                                                                               (RPM-2 antisense oligonucleotide #7.
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                                                                (first entry)
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Matches
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Gaps ; 0

716 CCGCATCGTCCGCAGCTTGAT 736

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21 CCGCATCGTCCGCAGCTTGAT 1

RESULT 51 ACF36401/c

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                                                                                                                                                                                                                                                                                                                    The invention relates to a compound consisting of an oligonuclectide with a phosphorothioate backbone throughout, in which: (a) sugars on nuclectide readidues 1.4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at constitutions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence of ACF36398 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in viro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TREM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. The present sequence represents a specific example of an anti-apoptotic protein TREM-2 (testosterone-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                         New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
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TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss.
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Pred. No. 39;
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                                                                                                                                                                                                          Monia
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100.0%; Pred. No. 5.,
                                                                                                                                                                                                        Nelson C,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 ATGATGAAGACTCTGCTGCTG 1
                                                                                                                                                                                                          Rennie PS, Miyake H,
                                                                                                                                                                                                                                                                                                Claim 1; Page 25; 44pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      48 ATGATGAAGACTCTGCTGCTG
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Best Local Similarity 100.
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                                                   Homo sapiens
                                                                                                   04-SEP-2003
                                                                                                                                                                                                        Gleave M,
                                       Synthetic
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The invention relates to a compound consisting of an oligonuclectide with a phosphorothicate backbone throughout, in which: (a) sugars on nuclectide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nuclectides 5-17 are 2'-deoxy; and (b) the cytosines at costions 1, 4 and 19 are 5-methylated. Oligonuclectide shown in sequence of ACP36398 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in virto; (b) to treat prostatic cancer (after initially withdrawing candrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal) non-small cell lung, urothelial transitional, ovarian and some breast cancer cells) that express abnormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (1) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (1) is used with chemotherapeutic agents or other antisense oligonucleotides directed
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                                                                                                                                                                                                                                                            New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     against other antiapoptotic genes. Sequences ACR36399-406 represent antisense oligonucleotides targeted against human anti-apoptotic protein
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                            Monia BP
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                                                                                                                                                         Nelson C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TRPM-2 antisense oligonucleotide #10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                916 ACAACTCCACGGGCTGCCTGC 936
                                                                                                                                                                                                                                                                                                                                                  Example 5; Page 41; 44pp; English
                                                                                                                                                            Miyake H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21 ACAACTCCACGGGCTGCCTGC
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ID ACF36404 standard; DNA; 21 BP.
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                                                                                                                                                            Rennie PS,
                                                                                                                                                                                                               WPI; 2003-689981/65
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                                                                                                                                                            Gleave M,
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Homo sapiens.
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Homo sapiens. Sidransky D; 26-FEB-2004 18-SEP-2003 ADF75347; Query Match Best Local S Matches RESULT 56 ò g The invention relates to a compound consisting of an oligomucleotide with CC a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 5-17 are 2'-O-methoxyethyl modified, and the companient of the cytosines at the companient of the cytosines at the companient of the cytosines at the constitution of the cytosines at the companient of the cytosines at the construct of the cytosines at the companient of the companient of the cytosines at the companient of the cytosines and companient of the cytosines at the cytosines at the cytosines and cytosines are prostatic cancer (after initially withdrawing control of the construction of the cytosines and construction of the construction of the construction of the cytosines and construction of the construction of the cytosines and cytosines and construction of the cytosines and cytosines ana ö New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2 TRPW-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss. New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2. Gaps ; 0 1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; 0; Indels TRPM-2 (testosterone-repressed prostate message-2) gene Monia BP, Monia Sequence 21 BP; 5 A; 6 C; 6 G; 4 T; 0 U; 0 Other; Nelson C, Miyake H, Nelson C, 100.0%; Pred. No. 39; ive 0; Mismatches TRPM-2 antisense oligonucleotide #6. 1115 CTCCTTGCTGGAGCAGCTGAA 1135 Example 5; Page 40; 44pp; English Miyake H, Example 5; Page 41; 44pp; English. CTCCTTGCTGGAGCAGCTGAA 1 (UYBR-) UNIV BRITISH COLUMBIA 22-FEB-2002; 2002US-00080794. BP 20-FEB-2003; 2003WO-US005305. ACF36400 standard; DNA; 21 (first entry) 21; Conservative Gleave M, Rennie PS, Rennie PS, WPI; 2003-689981/65. WPI; 2003-689981/65. Best Local Similarity Matches 21; Conserv WO2003072591-A1. Gleave M,

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The invention relates to a compound consisting of an oligonucleotide with capposphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at comparing nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at comparing 1; is used: (a) to delay progression of androgen-sensitive comparing cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (effer initially withdrawing confrogens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of covarian and some breast cancer cells) that express abnormal levels of remember cells in vivo and activity (both in vivo or in vitro) and cessult in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antisappototic genes. Sequences ACP36399-406 represent contisense oligonucleotides targeted against human anti-apoptotic protein content repressed prostate message-2) gene
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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unmethylated CpG islands. Accordingly, these genes provide diagnostic
markers for immortalised and transformed cells and hence can be used to
diagnose various proliferative disorders, particularly oesophageal cancer
and head and neck cancer. The present invention describes a genomic
screening method to identify silenced genes in a cell suspected of a
predisposition to, or exhibiting, unregulated growth. Accordingly,
cligonucleotides of the genes identified herein are useful for detecting
cesophageal squamous cell carcinoma (ESCC) or neck squamous cell
carcinoma. Furthermore, treatment can occur via gene therapy, using a
demethylation agent such as a methyltransferase inhibitor (5Aza-dC) or a
histone deacetylase inhibitor to restore expression of at least one
methylation silenced gene in cancer cells. This oligonucleotide sequence
is an RT-PCR primer used to amplify those genes that were up-regulated as
a result of treatment with a demethylation agent i.e epigenetically
silenced genes of the invention.
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                Sequence 21 BP; 6 A; 10 C; 3 G; 2 T; 0 U; 0 Other;
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ADM83075 standard; DNA; 21
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RENNIE P.S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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modified_base
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(MIYA/)
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               This invention relates to novel methods of screening to identify epigenetically silenced genes. Specifically, it refers to the detection of epigenetically silenced tumour suppressor genes in cancer cells, which are transcriptionally inactive due to aberrant methylation at normally unmethylated CpG islands. Accordingly, these genes provide diagnostic markers for immortalised and transformed cells and hence can be used to diagnose various proliferative disorders, particularly oesophageal cancer and head and neck cancer. The present invention describes a genomic
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                                                                                                                                                                                             human; primer; RT-PCR; BCR; BS; epigenetically silenced gene; trumour suppressor; cancer; proliferative disorder; head and neck cancer; ocsophageal squamous cell carcinoms; BSCC; gene therapy; methyltransferase inhibitor; SAza-dC; histone deacetylase inhibitor.
                                                                                                                                                           Human RT-PCR primer to amplify an epigenetically silenced gene (SeqID28)
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predisposition to, or exhibiting, unregulated growth. Accordingly, oligonucleorides of the genes identified herein are useful for detecting cesophageal squamous cell carcinoma (ESCC) or neck squamous cell carcinoma (ESCC) or neck squamous cell carcinoma. Furthermore, treatment can occur via gene therapy, using a demethylation agent such as a methyltransferase inhibitor (SAza-dC) or a histone deacetylase inhibitor to restore expression of at least one methylation silenced gene in cancer cells. This oligonucleotide sequence is an RT-ESC primer used to amplify those genes that were up-regulated as a result of treatment with a demethylation agent i.e epigenetically silenced genes of the invention.
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/note= "Phosphorothioate backbone"
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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Matches 21; Conservative
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          cancer cells express restosterone-repressed prostate message-2 (TREM-2).
The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TREM-2) antisense oligodeoxyribonucleotide (ODN).
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The present invention provides a method for treating cancer in which
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/note= "Phosphorothioate backbone"
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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RENNIE P S.
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Synthetic.
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The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The
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sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testoosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                         Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
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                                                                                                                     ch 1.3%; Score 21; DB 1; Length 21; Smilarity 100.0%; Pred. No. 39; 21; Conservative 0; Mismatches 0; Indels
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                                                                                       Sequence 21 BP; 1 A; 4 C; 12 G; 4 T; 0 U; 0 Other;
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                            Local Similarity
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RENNIE P S
MIYAKE H.
NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                          03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
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                                                                                                                              Query Match
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Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                            Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                              Gaps
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DB 1; Length 21; 39;
                            Indels
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/trag= a
/mod base= OTHER
/note= "Phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Miyake H, Nelson C,
Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                Human TRPM-2 antisense oligonucleotide #11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 11; 14pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                           916 ACAACTCCACGGGCTGCCTGC 936
                                                                                   ч
                                                                          21 ACAACTCCACGGGCTGCCTGC
                                                                                                                                                              ВР
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                              ADM83076 standard; DNA; 21
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(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(MELS/) NELSON C.
(ZELL/) ZELLMEGER T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-778017/73.
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                                                                                                                                                                                                                                                                                                                            antisense; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                modified_base
                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
Synthetic.
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                                                                                                                                 RESULT 62
ADM83076/c
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1.3%; Score 21; DB 1; Length 21;

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CCGAGGCGTGCAAAGACTCCA 36
           21 CCGAGGCGTGCAAAGACTCCA
                                                                      ADM83069 standard; DNA; 21
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                                                                                                                                                                                                           Homo sapiens
                                                                                                               03 -JUN-2004
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                                                                                                                                                                                                                     Synthetic
                                                                                            ADM83069;
  16
                                                                ADM83069/c
                                                     RESULT 64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM
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              Gaps
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                Indels
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/mod_base= OTHER
/note= "Phosphorothioate backbone"
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      Pred. No. 39;
                 0; Mismatches
                                                                                                                                                                      Human TRPM-2 antisense oligonucleotide #3.
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                                                                                                                                                                                                                                                                         Location/Qualifiers
                                    1316 CTCCAGGAAGAACCCTAAATT 1336
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                                              21 CTCCAGGAAGAACCCTAAATT 1
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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      100.08;
                                                                                                            ADM83068 standard; DNA; 21
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                  03-JUN-2004 (first entry)
       Best Local Similarity 100.0
Matches 21; Conservative
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RENNIE P S.
MIYAKE H.
NELSON C.
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modified_base
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                 21;
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(NELS/)
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                               Human TRPM-2 antisense oligonucleotide
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
BP
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(NELS/) NELSON C.
(ZELL/) ZELLWEGER T.
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(RENN/) RENNIE P S
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
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Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human;
                                                                                                                        Human TRPM-2 antisense oligonucleotide #8.
25-FEB-2000; 2000WO-US004875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                        Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity; radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; antisense; ss.
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1. .21
4. 424 a
7. mod base OTHER
7. mod base Backbone"
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                                                                                                                                                                            Human TRPM-2 antisense oligonucleotide #5.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                          ADM83070 standard; DNA; 21
                                                                                                                                           03-JUN-2004 (first entry)
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RENNIE P S.
MIYAKE H.
NELSON C.
ZELLWEGER T.
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modified_base
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                                           RESULT 65
ADM83070/c
                                                                                                                                                                                                                                                                                               Homo
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Zellweger

Miyake H, Nelson C,

Location/Qualifiers
1. .21
4. 44ag= a
/mod base= OTHER
/note= "Phosphorothioate backbone"

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                                                                                                                                                                                           The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or tradiationsensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM -2) antisense oligodeoxyribonucleotide (ODN).
Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
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100.0%; Pred. No. 39;
rative 0; Mismatches 0; Indels
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ID ADM83071 standard; DNA; 21
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Matches 21; Conservative
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Gaps ö

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Gonos ES;
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                                                                                                                                                                                                                                                                                                                                                                                          Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                         Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; human; antisense; ss.
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
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/note= "Phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .2) antisense oligodeoxyribonucleotide (ODN).
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                                        Human TRPM-2 antisense oligonucleotide #6.
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                                                                                                                                                                                                                                                          25-FEB-2000; 2000WO-USO04875.
28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                        28-SEP-2001; 2001US-00967726
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                        03-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                         Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                (GLEA/) GLEAVE M.
(RENN/) RENNIE P S.
(MIYA/) MIYAKE H.
(NELS/) NELSON C.
                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-778017/73.
                                                                                                                                                                                                                                                                                                                                      (ZELL/) ZELLWEGER T
                                                                                                                                                                                                   US2003158130-A1
                                                                                                                                           Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004
                                                                                                               sapiens.
                                                                                                                                                                                                                      21-AUG-2003
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                                                                                                                       Synthetic.
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         ADM83071;
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Matches
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                                                                                                               Ношон
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to nucleotides 487-505 of human clusterin cDNA. The antisense strand is also provided ADL70457. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAS of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of chemotherapy or apoptosis inducing treatments for the treatment of breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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Best Local Similarity 81.0%; Pred. No. 39;
Matches 17; Conservative 4; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; SEQ ID NO 1; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                               /note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                            base= OTHER
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2003; 2003WO-CA001277
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave ME,
                                                                                                                                                                                                                                                                                                                                                   /mod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-226852/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2004018676-A2
                                                                                                                                                                                                                                                         Key
modified_base
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                                                                                                                                                 sapiens.
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RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;

RNAi for human clusterin.

/*tag= a /mod_base= OTHER /note= "OTHER= dTdT"

Location/Qualifiers

Key modified_base

Homo sapiens. Synthetic.

Ношо

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The present sequence is the sense strand of a short interfering RNA antisense strand is also provided ADL70461. The siRNA can be used to interfere strand is also provided ADL70461. The siRNA can be used to interfere with the expression of clusterin, Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosacroma, renal call carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment
                                                  RNA interference, RNAi, short interfering RNA; siRNA, human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gleave ME, Signaevsky M,
                                                                                                                                                                                                               /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; SEQ ID NO 5; 63pp; English.
                                                                                                                                                                         Location/Qualifiers
20. .21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYBR-) UNIV BRITISH COLUMBIA
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                              21-AUG-2003; 2003WO-CA001277
                RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease or cancer
                                                                                                                                                                                                                                                                                         WO2004018676-A2
                                                                                                                                                                               Key
modified_base
                                                                                                                        Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                         04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jansen B,
Gonos ES;
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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.

Claim 4; SEQ ID NO 58; 63pp; English.

Trougakos IP;

Signaevsky M, Beraldi E,

21-AUG-2002; 2002US-0405193P. 03-SEP-2002; 2002US-0408152P. 20-MAY-2003; 2003US-0472387P.

21-AUG-2003; 2003WO-CA001277

WO2004018676-A2

04-MAR-2004

(UYBR-) UNIV BRITISH COLUMBIA.

Gleave ME,

Jansen B, Gonos ES;

WPI; 2004-226852/21.

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The present sequence is the sense strand of a short interfering RNA (SIRNA) targeted to a specific portion ADL70512 of human clusterin CDNA. The antisense strand is also provided ADL70514. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as castosterone-repressed prostate message-2 (TRPM-2) or sulfated to strong section of clusterin, and has also been shown to be clumour cells following androgen withdrawal, and has also been shown to be critical for neutric coxicity in mouse models of Alzheimer's disease. SIRNAS of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           prostate cancer cells. A reduction in clusterin transcript was observed.
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Best Local Similarity 81.0%; Pred. No. 39;
Matches 17; Conservative 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 3 A; 9 C; 3 G; 2 T; 4 U; 0 Other;
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ID ADL7
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AC ADL7
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Gaps ö

1615 CTAATTCAATAAAACTGTCTT 1635

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ADL70513 standard; RNA; 21

RESULT 70

(first entry)

20-MAY-2004

ADL70513;

ADL70513 ID ADL7 XX AC ADL7 XX DT 20-M

ADL70458

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The present sequence is the sense strand of a short interfering RNA antisense strand is also provided ADL70459. The siRNA can be used to interfers with the expression of Clusterin. Clusterin, also known as thestosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate cumbour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplactic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                       RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 81.0%; Pred. No. 39;
Matches 17; Conservative 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 4 A; 9 C; 2 G; 2 T; 4 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; SEQ ID NO 3; 63pp; English.
                                                                                                                                                                                             Location/Qualifiers
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ID ADL70520 standard; RNA; 21 BP.
XX
AC ADL70520;
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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               20-MAY-2004 (first entry)
                                              RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    disease or cancer.
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                                                                                                                                                Homo sapiens.
Synthetic.
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Gonos ES;
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70518 of human clusterin CDNA. CC The sense strand is also provided ADL70519. The siRNA can be used to the stere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPN-2) or sulfated testosterone-repressed prostate message-2 (TRPN-2) or sulfated testosterone-calls following androgen withdrawal, and has also been shown to be tumour calls following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Critical for neuritic toxicity in mouse models of Alzheimer's disease. Commenterapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present of Alzheimer's disease. In an example from the invention, the present sink was used to examine the effects of clusterin gene silencing in PC-3 siRNA was used to examine the effects of clusterin transcript was observed.
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                                                                         RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; SEQ ID NO 65; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Signaevsky M,
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20. .21
/*tag= a OTHER
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ADL70461/c
ID ADL70461 standard; RNA; 21 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                               RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                     WO2004018676-A2
                                                                                                                                                                                                                                modified base
                                                                                                                                                            Homo sapiens.
             20-MAY-2004
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Gonos ES;
                                                                                                                                                                               Synthetic.
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Matches
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Trougakos IP;

'note= "OTHER= dTdT"

base= OTHER

/*tag= a

; 0

Gaps ; 0

21

ADL70519;

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                   RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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/mod_base= OTHER
/note= "OTHER= dIdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; SEQ ID NO 6; 63pp; English.
                                                                                                                                                                                                                                                                                                       Location/Qualifiers 20. .21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-AUG-2003; 2003WO-CA001277.
                                            (first entry)
                                                                                         RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004018676-A2
                                                                                                                                                                                                                                                                                                            Key
modified_base
                                                                                                                                                                                                                                      Homo sapiens.
Synthetic.
                                            20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jansen B,
Gonos ES;
ADL70461
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to nucleotides 1620-1638 of human clusterin cDNA. The sense strand is also provided ADL70460. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tunnour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplassic large call lymphoma and melanoma, and also for the treatment of Alzheimer's disease.

Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;

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Gaps
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Score 21; DB 1; Length 21;
Pred. No. 39;
                                      0; Indels
Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches
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ADL70519 standard; RNA; 21 BP RESULT 74 ADL70519 ID ADL70

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                          RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                         Trougakos IP;
                                                                                                                                                                                                                                                                                       Jansen B, Gleave ME, Signaevsky M, Beraldi E,
Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                   Claim 4; SEQ ID NO 64; 63pp; English.
                                                                                                                                           /*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                         Location/Qualifiers
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                   21-AUG-2003; 2003WO-CA001277
                         (first entry)
                                           RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                     WPI; 2004-226852/21.
                                                                                                                                                                               WO2004018676-A2
                                                                                                                           Key
modified base
                                                                                                Homo sapiens.
Synthetic.
                         20-MAY-2004
                                                                                                                                                                                                 04-MAR-2004
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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70518 of human clusterin cDNA. The antisense strand is also provided ADL70520. The siRNA can be used to interfere with the expression of clusterin, Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (TRPM-2) or sulfated cumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Constants of the invention can be used alone or in combination with other conference, alone such as osteosarcoma, renal cell cardinoma, broast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of canaplastic large cell lymphoma and melanoma, and also for the treatment of anaplastic large cell lymphoma and melanoma, and also for the treatment of alsease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed. ö Gaps ö Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 71.4%; Pred. No. 39;
Matches 15; Conservative 6; Mismatches 0; Indels Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;

1615 CTAATTCAATAAACTGTCTT 1635

RESULT

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ADL70516 standard; RNA; 21 BP

RESULT 76 ADL70516

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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70515 of human clusterin cDNA. The sense strand is also provided ADL70516. The siRNA can be used to interfere with the expression of clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated clycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neutitic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                RNA interference, RNAi, short interfering RNA; siRNA, human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gleave ME, Signaevsky M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 4; SEQ ID NO 62; 63pp; English.
                                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYBR-) UNIV BRITISH COLUMBIA.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
ADL70517/c
ID ADL70517 standard; RNA; 21 BP.
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                                                                                    (first entry)
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                                                                                                                    RNAi for human clusterin.
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modified_base
                                                                                                                                                                                                                             Homo sapiens.
                                                                                    20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                     04-MAR-2004
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Gonos ES;
                                                                                                                                                                                                                                             Synthetic.
                                                   ADL70517;
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The present sequence is the sense strand of a short interfering RNA (sirNA) targeted to a specific portion ADL70515 of human clusterin cDNA. Creating the antisense strand is also provided ADL70517. The siRNA can be used to the antisense strand is also provided ADL70517. The siRNA can be used to circritere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (TRPM-2) or sulfated to clumour cells following androped withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. Crimochbrapy or apoptosis inducing treatments for the treatment of chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, badder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of cancer site disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of MRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                    RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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Best Local Similarity 85.7%; Pred. No. 39;
Matches 18; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 2 A; 9 C; 5 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; SEQ ID NO 61; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gleave ME, Signaevsky M,
                                                                                                                                                                                                                                                                                        20. .21
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/mod_base= OTHER
/note= "OTHER= dIdT"
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                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (UYBR-) UNIV BRITISH COLUMBIA
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                         RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                        WO2004018676-A2.
                                                                                                                                                                                                                                                                              Key
modified base
                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                           04-MAR-2004.
                                                                      20-MAY-2004
                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Jansen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gonos ES;
                                   ADL70516;
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Gaps ö

> 711 AAGTCCCGCATCGTCCGCAGC 731

21

21; Conservative

Matches

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Query Match Best Local Similarity

21 AACCAGAGCTCGCCCTTCTAC 1

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BP

ADL70459 standard; RNA; 21

ADL70459/c RESULT 78

ADL70459;

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The present sequence is the antsense strand of a short interfering RNA (siRNA) targeted to nucleotides 487-505 of human clusterin cDNA. The sense strand is also provided ADL70456. The siRNA can be used to interfere with the expression of clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (5GP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neutitic toxicity in mouse models of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                              RNA interference, RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers 20. .21
1 GUCCCGCAUCGUCCGCAGCTT
                                                                                                                                                          BP.
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                      ADL70457 standard; RNA; 21
                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                     RNAi for human clusterin.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                     20-MAY-2004
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Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                         ADL70457;
                                                                                       RESULT 77
ADL70457/c
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The present sequence is the antisense strand of a short interfering RNA ensent strand is also provided ADL7458. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as interfere with the expression of clusterin. Clusterin, also known as glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, anaplastic large cell lymphoma and melanoma, and also for the treatment cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                          RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21 BP; 4 A; 2 C; 9 G; 2 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                             20. .21
/*tag= a
/mod_base= OTHER
/note= "OTHER= dTdT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 4; SEQ ID NO 4; 63pp; English.
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                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                           RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           #PI; 2004-226852/21.
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modified_base
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                                                             20-MAY-2004
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Gonos ES;
                                                                                                                                                                                                               Synthetic.
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Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels

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Gabs

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480 AACCAGAGCICGCCCTICTAC 500

21 AACCAGAGCTCGCCCTTCTAC 1

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The present sequence is the antisense strand of a short interfering RNA (sirNA) targeted to a specific portion ADL70512 of human clusterin CDNA.

The sense strand is also provided ADL70513. The siRNA can be used to interfer with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate clumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAS of the invention can be used alone or in combination with other chemocherapy or apoptorisis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the breatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA interference, RNAi, short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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/note= "OTHER= dTdT"
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/mod_base= OTHER
AAGATGCTCAACACCTCCTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                         ADL70514/C

ID ADL70514/C

XX

ADL70514;

XX

ADL70514;

XX

ADL70514;

XX

ZO-MAY-2004 (first entry)

XX

RNA interference; RNAi; short cytostatic; neuroprotective;

XW

KW

KW

Homo sapiens.

SS

Homo sapiens.

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WC2004018676-A2.

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WA2004018676-A2.

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MYPL 2004.22082US-0408152P.

PR

Z1-AUG-2002; 2002US-0408152P.

RN

MYPL; 2004-226852/21.

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UNBR-) UNIV BRITISH COLUMBIR

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CLAIM 4; SEQ ID NO 59; 63pp;

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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2. Co.Camethoxyethyl) modifications in the 5' wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin administering an agent effective to modulate the amount of clusterin regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications'
                                                                                                                           Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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/note== "OTHER= optional phosphorothioate nucleotides"
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subject a therapeutic agent effective to reduce the effective amount
clusterin in the melanoma cells.
                                                                                            Antisense oligonucleotide to human clusterin
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1. .21
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/mod_base= OTHER
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03-SEP-2002; 2002US-0408H52P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ADL70410 standard; DNA; 21
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                                                               (first entry)
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modified_base
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Synthetic.
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Gaps ö

1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 39; ive 0; Mismatches 0; Indels

Conservative

Local Similarity nes 21; Conserva

Best Loc Matches

Query Match

Length 21;

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ADL70422;
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                                                        Gaps
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RNA; siRNA; DNA-RNA hybrid; ss.
                                   1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                  Sequence 21 BP; 5 A; 5 C; 8 G; 3 T; 0 U; 0 Other;
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20. .21
/*tag= a
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/note= "OTHER= TT"
                                                                            716 CCGCATCGTCCGCAGCTTGAT 736
                                                                                        CCGCATCGTCCGCAGCTTGAT 1
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                 ADL70440 standard; RNA; 21
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                                                Local Similarity 100.
es 21; Conservative
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                                                                                                                                                                                                                                 Human; clusterin;
short interfering
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modified_base
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
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subject a therapeutic agent effective to reduce the effective amount
clusterin in the melanoma cells.
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RNA; siRNA; DNA-RNA hybrid; ss.
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1.3%; Score 21; DB 1;
ilarity 85.7%; Pred. No. 39;
Conservative 3; Mismatches
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                                                                                                            713 GICCCGCATCGICCGCAGCIT 733
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/note= "OTHER= TT
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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(GLEA/) GLEAVE M E.
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Matches 18; Conserv
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short interfering
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/note= "OTHER= optional 2'O-methoxyethyl modifications'
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Mismatches
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                                        482 CCAGAGCTCGCCCTTCTACTT 502
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-031948P.
20-MAY-2003; 2003US-0472387P.
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regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
18. .21
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/mod_base= OTHER
/note= "OTHER= optional 2'0-methoxyethyl modifications"
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                                                                                                                    Sequence 21 BP; 4 A; 3 C; 6 G; 8 T; 0 U; 0 Other;
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03-SEP-2002; 2002US-0408152P.
02-C-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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ID ADL70408 standard; DNA; 21
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The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the translation site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2, 0-(2-methoxyethyl) modifications in the 5, and 3' 'wings'. A method for regulating expression of bcl.xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.xL is downinhibition is significant because bcl.xL is known to act as an inhibitor of apoptosis.
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/mod_base= OTHER
/note= "OTHER= optional 2'0-methoxyethyl modifications"
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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Matches 21; Conservative
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The present sequence is that of an antisense oligonuclectide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonuclectide ADL70404-ADL70421.

Or short interfering RNA (sirNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonuclectides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2' co-(2-methoxyethy1) modifications in the 5' and 3' wings'. A method for regularing expression of bcl-xL in a subject or cell line comprises administrating an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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RNA; siRNA; DNA-RNA hybrid; ss.
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Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
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             Claim 6; SEQ ID NO 10; 32pp; English.
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(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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short interfering
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02-DEC-2002;
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                                                                                                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell clusterin expression. In clustering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
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RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                              Claim 10; SEQ ID NO 23; 32pp; English.
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therappeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell clusterin expression. In clusterin-expressing cells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
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/note= "OTHER= 2'O-methoxyethyl modifications"
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//tag= a
/mod_base= OTHER
/note= "OTHER= 2'O-methoxyethyl modifications'
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/note= "OTHER= phosphorothioate nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                      1; Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 8 A; 4 C; 1 G; 2 T; 6 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                      Score 21; DB 1; Pred. No. 39; 6; Mismatches
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; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
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Best Local Similarity 71.4
Matches 15; Conservative
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/*tag=
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                  of apoptosis
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                                                                                   Jansen
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                                                             The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therefore a substance oligonucleotide ADL704046 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the crimination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2' co-(2-methoxyethyl) (MOE) modifications in the 5' and 3' wings'. The present antisense oligonucleotide is particularly preferred. It is present antisense oligonucleotide is particularly preferred. It is cargeted to the translation initiation codon and next 6 codons of the human clusterin sequence. It has a phosphorothicate backbone throughout and MOE wings, the remaining nucleotides being 2'-deoxynucleotides in an example from the invention, this antisense oligonucleotide provided a close-dependent down-regulation of clusterin in human melanoma cell line (607B) this alone was sufficient to lead to complete cell death. In canother melanoma cell line, the surviving cells showed increased continues and an appetodic cell death. In canother melanoma cell line, the surviving cells showed increased centuities the surviving cells showed increased centuities an agentivity to subsequent treatment with cisplatin. A claimed method for regulating expression of bcl-xL in a subject or cell line comprises canother melanoma cell line, the surviving cells ended increased centuities and management with cisplatin. A claimed method for regulation is significant because bcl-xL is known to act as an inhibitor of anothers.
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subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; sIRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 6 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                           Claim 7; SEQ ID NO 4; 32pp; English.
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/*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21 ATGATGAGACTCTGCTGCTG 1
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2002US-0408152P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNAi for human clusterin.
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modified_base
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03-SEP-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                            of apoptosis.
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Synthetic.
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ADL70423/C
ID ADL70
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
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/note= "OTHER= TT
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(UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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ID ADL70441 standard; RNA; 21 BP.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                    WPI; 2004-226851/21
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modified_base
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03-SEP-2002; 20-DEC-2002; 20-MAY-2003; 2
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Jansen B;
                                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                  Matches
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                                                                                                                          The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL/0404-ADL/0421 or short interfering RNA (siRNA) ADL/0422-ADL/0445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.-xi in a subject or cell into comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.-xi is known to act as an inhibitor
                                                                   Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RNAi; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                             1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                          Sequence 21 BP; 3 A; 5 C; 9 G; 2 T; 2 U; 0 Other;
                                                                                                            Claim 20; SEQ ID NO 39; 32pp; English.
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                                                                                                                                                                                                                                                                                                                      711 AAGTCCCGCATCGTCCGCAGC 731
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/note= "OTHER= TT
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GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
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    (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                           ADL70443 standard; RNA; 21
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                                                                                                                                                                                                                                                                                                    21; Conservative
                                                     WPI; 2004-226851/21.
                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 21; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; clusterin;
short interfering
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modified_base
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(GLEA/) (
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                                      Jansen B;
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/*tag= a
/mod_base= OTHER
/note= "OTHER= optional 2'0-methoxyethyl modifications"
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                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; clusterin; antisense; melanoma; cytostatic; gene silencing; ss.
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/note= "OTHER= optional phosphorothioate nucleotides"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 6 A; 1 C; 4 G; 2 T; 8 U; 0 Other;
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100.0%; Pred. No. ...
                                                                                                                                         Claim 20; SEQ ID NO 41; 32pp; English.
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                                                                                             clusterin in the melanoma cells.
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2002US-0319748P.
2003US-0472387P.
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/*tag=
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WPI; 2004-226851/21.
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modified_base
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL7044-ADL70401.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothicate derivatives and may have 2'.

C. 2-methoxycthyl) modifications in the 5' and 3' 'wings'. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-crequlated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
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                                                                                                                      Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 39; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21 BP; 3 A; 5 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                    Claim 6; SEQ ID NO 9; 32pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       916 ACAACTCCACGGGCTGCCTGC 936
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/mod_base= OTHER
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2002US-0408152P.
2002US-0319748P.
             (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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modified_base
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03-SEP-2002; 2
02-DEC-2002; 2
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Synthetic.
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                                                                                                                            Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA, DNA-RNA hybrid; ss.
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21 BP; 4 A; 3 C; 9 G; 2 T; 3 U; 0 Other;
                                                                                                                                                                                          Claim 20; SEQ ID NO 37; 32pp; English.
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/note= "OTHER= TT"
                           (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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20-MAY-2003; 2003US-0472387P
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                                                                                                     WPI; 2004-226851/21
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modified_base
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Synthetic.
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                                                                         Jansen B;
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02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity
Matches 21; Conserva
                                                                                                                                                    WPI; 2004-226851/21.
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                                                                                                                     Jansen B;
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/mod_base= OTHER
/note= "OTHER= optional 2/0-methoxyethyl modifications"
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                                                                                                                                                                                                    Claim 20; SEQ ID NO 36; 32pp; English.
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03-SEP-2002; 2002US-0408152P.
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Local Similarity 81.0%;
Les 17; Conservative
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                                                                                       WPI; 2004-226851/21
               (GLEA/) GLEAVE M E.
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ADL70414/C
XX
AC ADL70
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of human clusterin ADL70403. The invention relates to the treatment of a change of the ablance of the clusterin. The antisense oligonucleotide ADL70404-ADL70421.

The antisense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo. termination site. They may be modified to increase stability in vivo.

C. -(2.methoxyethyl) modifications in the 5' and 3' wings'. A method for call atting an agent effective to modulate the amount of clusterin administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-expression. Is significant because bcl-xL is known to act as an inhibitor
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/ttag= a //trag= OTHER
/mote= "OTHER= optional 2'O-methoxyethyl modifications"
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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(UYBR-) UNIV BRITISH COLUMBIA.
(GLBA/) GLEAVE M E.
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                                                                                                                                                                                                                                                                      The present sequence is that of an antisense oligomucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The cherapeutic agent may be an antisense oligomucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL7045 targeted to clusterin. The antisense oligomucleotides are complementary to a region of the collection mines oligomucleotides are complementary to a region of the collection mines oligoming either the translation initiation site or the cernination site. They may be modified to increase stability in vivo, collective may be employed as phosphorothicate derivatives and may have 2'CC e.g. they may be employed as phosphorothicate derivatives and may have 2'CC collating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin captured when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor control of apoptosis.
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                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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short interfering RNA; siRNA, DNA-RNA hybrid; ss.
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100.0%; Pred. No. 39;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21 BP; 5 A; 4 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
20. .21
/*tag= a /mod base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                       Claim 6; SEQ ID NO 7; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             515 TGACCGCATCGACTCCCTGCT 535
21 TGACCGCATCGACTCCCTGCT 1
                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
                                                                  21-AUG-2002; 2002US-0405193D.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                              21-AUG-2003; 2003WO-CA001276
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.3
Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNAi for human clusterin.
                                                                                                                                                                                    WPI; 2004-226851/21.
  WO2004018675-A1
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
Synthetic.
                       04-MAR-2004
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                                                                                                                                                               Jansen B;
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.-xi in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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/ttag= a
/mod base= OTHER
/note= "OTHER= optional 2.0-methoxyethyl modifications"
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/note= "OTHER= optional phosphorothioate nucleotides"
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                        (UYBR-) UNIV BRITISH COLUMBIA (GLEA/) GLEAVE M E.
                                                                                                             21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                   21-AUG-2003; 2003WO-CA001276.
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/*tag= b
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modified_base
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04-MAR-2004
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. Of the construction of the construction of the care and the construction of the construction and the construction of the construction and the construction of th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                 "OTHER= optional 2'O-methoxyethyl modifications"
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                       /*tag= c
/mod_base= OTHER
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(GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                         21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 100.
Matches 21; Conservative
18. .21
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Synthetic.
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  modified base
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ADL70407/
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XX
AC ADL71
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DT 20-MI
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The present sequence is that of an antisense oligonucleotide targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The there are another of clusterin. The charactering that he an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (aiRNA) ADL70422-ADL70445 targeted to clusterin. The antisense oligonucleotides are complementary to a region of the clusterin RNA spanning either the translation initiation of the termination site. They may be modified to increase stability in vivo.

1.0. (2.methoxyethyl) modifications in the 5. and 3. 'wings', A method for regulating expression of bol-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. The expression of bol-xL is downered when the effective amount of clusterin regulated when the effective amount of clusterin is reduced. Such regulating is significant because bol-xL is known to act as an inhibitor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                         /*tag= a
/mod_base= OTHER
/note= "OTHER= optional 2'O-methoxyethyl modifications'
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/note= "OTHER= optional 2'O-methoxyethyl modifications"
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                                    /note= "OTHER= optional phosphorothioate nucleotides"
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100.0%; Pred. No. 39;
ive 0; Mismatches 0; Indels
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                            OTHER
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2002US-0408152P.
2002US-0319748P.
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03-SF2-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 100.0
Matches 21; Conservative
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1. .21
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(GLEA/) GLEAVE M E.
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modified_base
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Gaps ö

0; Indels

Location/Qualifiers

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The present invention describes a radiation hybrid map of the dog (Canine familiaris) genome comprising the genome location of a marker selected from AAA66139 to AAA6692. The radiation hybrid map is useful for identifying and localising dog genes, since it covers approximately 80 % of the dog genome and provides a dense map integrating different types (i.e. Type I and Type II) of markers. The map and the dog genome markers (or complementary sequences) are especially useful to identify genes responsible for phonotypic and behavioural traits in dogs, to identify morbid genes, to analyse diseases and identify implicated genes in such diseases and their alleles, and to study dog pedigrees. They may also be useful for isolating corresponding human gene sequences e.g. genes involved in genetic diseases
                                                                                                                                                                                                                                                                                                                                                                                        New radiation hybrid map of the dog, Canine familiaris, genome, useful for e.g. identifying genes implicated in phenotypic and behavioral traits or in genetic diseases and for studying dog pedigrees.
chromosome location; gene marker; polymorphic microsatellite marker; phenotype; behaviour; pedigree; ss.
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ID ABN99680 standard; DNA; 20 BP.
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                                                              Canis familiaris.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of olusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.xL in a subject or cell into comparises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
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                                               RNA; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
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                                                                                                                                                                   Location/Qualifiers
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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          RNAi for human clusterin
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                                                 Human; clusterin;
short interfering
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modified_base
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Pred. No. 45;
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100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                     Claim 3; Page 83; 125pp; English
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              (ISIS-) ISIS PHARM INC
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                                   Freier SM;
                                                        WPI; 2002-404805/43.
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                                                                                                                                             invention
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Matches
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders, and hyperlipidemic disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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Pred. No. 45;
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100.0%; Pred. No.
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Best Local Similarity
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Human clusterin inhibiting antisense oligonucleotide 43
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ABN99709 standard; DNA; 20
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Human, antisense inhibition, antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                                                                                             The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; prepared by sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-0-methoxyethyl wings
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                                                                                                   Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                                                                                                                                                            967 AGATCTTGTCTGTGACTGT 986
                                                                                                                                               Claim 3; Page 84; 125pp; English
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                                            (ISIS-) ISIS PHARM INC
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                                                                Monia BP, Freier SM;
                                                                                   WPI; 2002-404805/43.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                              The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders, hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-0-methoxyethyl wings
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Claim 3; Page 84; 125pp; English.
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clusterin;

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiserative disorders; and hyperprofiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                               Human; antisense inhibition; antisense oligonucleotide; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                       Human clusterin inhibiting antisense oligonucleotide 2.
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                                               (first entry)
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ABN99668
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                       1.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
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                                                                                                                      286 AGAAAGAGGATGCCCTAAAT 305
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Conservative 0;
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                            1.2%; Score 20; DB 1; Length 20; 00.0%; Pred. No. 45;
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Sequence 20 BP; 3 A; 5 C; 5 G; 7 T; 0 U; 0 Other;
                                   100.0%; Pred. ...
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Best Local Similarity 100.
Matches 20; Conservative
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0; Indels

Mismatches

359 GACCATGATGGCCCTCTGGG 378

20

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ВB

668/c ABN99668 standard; DNA; 20

RESULT 111 ABN99668/c ID ABN99

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The invention comprises antisense oligonuclectides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders; and hyperlipidemic disorders. The present bNA sequence represents a clusterin antisense oligonuclectide of the invention. NOTE: The present bas equence has a phosphorothioate backbone
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                                                                                 The invention comprises antisense oligonuclectides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with hyperproliferative disorders, and hyperipidemic disorders. The present DNA sequence represents a clusterin antisense oligonuclectide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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                                                          Claim 3; Page 83; 125pp; English.
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                                                                                                                                                Human clusterin inhibiting antisense oligonucleotide 36.
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10-SEP-2001; 2001WO-US028235
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                                                                                                                 . Match 1.2%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 45; Local Sincles 0; Mismatches 0; Indels
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                                                                      Sequence 20 BP; 3 A; 5 C; 6 G; 6 T; 0 U; 0 Other;
                   and also contains 2'-0-methoxyethyl wings
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ABN99701 standard; DNA; 20 BP
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; by a sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Matches 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders;
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hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                  Query Match
1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human clusterin inhibiting antisense oligonucleotide 61.
                                                                                               Sequence 20 BP; 6 A; 4 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                          20 GCTCTGGATCCTGCACTCTA 1
                                                                                                                                                                                                                                                                                                                                                        ABN99727 standard; DNA; 20 BP
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.

11-SEP-2000; 2000US-00659791. 10-SEP-2001; 2001WO-US028235

WO200222635-A1. Homo sapiens.

21-MAR-2002

(ISIS-) ISIS PHARM INC. Monia BP, Freier SM; WPI; 2002-404805/43. Example 15; Page 83; 125pp; English.

Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.

Human clusterin inhibiting antisense oligonucleotide

(first entry)

16-AUG-2002

ABN99670;

BP.

ABN99670 standard; DNA; 20

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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hypercholesterolaemia, cardiovascular disorder; ss;
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 20; Conservative 0; Mismatches 0; Indels
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ABN99670/C

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Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 45; Matches 20; Conservative 0; Mismatches 0; Indels

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21-MAR-2002
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Matches 20
       Monia BP,
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 hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                                                                  (ISIS-) ISIS PHARM INC.
                                                                                                                                                      Freier SM;
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Best Local Similarity
                                                                                                                                                                          WPI; 2002-404805/43.
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iive 0; Mismatches 0; Inde
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Freier SM;
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expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present bNA sequence represente a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                     1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 45;
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                                                                                                           Sequence 20 BP; 2 A; 7 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                              100.0%; Preq. ...
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                                                                                                                                                                                           TGACCGAGGCGTGCAAAGAC 32
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Best Local Similarity 100.
Matches 20; Conservative
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Matches 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders). The present linvention. NoTE: The present a clusterin antisense oligonucleotide of the invention. NoTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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Best Local Similarity 100.0%; Pred. No. 45;
Matches 20; Conservative 0; Mismatches 0; Indels
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20 TGGCCGCCAGCTTGAGGAGT 1
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XX ABN9
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XX DT I6-A
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovaescular disorders; phyperproliferative disorders; and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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 Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
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Best Local Similarity 100.
Matches 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemis; cardiovascular disorders); hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                               Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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100.0%; Pred. No. --.
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11-SEP-2000; 2000US-00659791.
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les 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present by a sequence represents a clusterin antisense oligonucleotide of the invention. Over: The present man also contains 2'-O-methoxyethyl wings
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Matches 20; Conservative 0; Mismatches 0; Indels
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Pred. No. 45, 0; Mismatches
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                                                    S65 TGGATGTCATGCAGGACCAC 584
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                                                                     20 TGGATGTCATGCAGGACCAC 1
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                 20; Conservative
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Best Local Similarity
Matches 20; Conserv
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                                                                       Monia BP,
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                                         Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Pred. No. 45;
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                      Human clusterin inhibiting antisense oligonucleotide 55.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity 100.0%; Pred. NO. 3-., Similarity 0, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                              and also contains 2'-0-methoxyethyl wings
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     16-AUG-2002 (first entry)
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention. NOTE: The present DNA sequence has a phosphorothioate backbone
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11-SEP-2000; 2000US-00659791.
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                                                            (ISIS-) ISIS PHARM INC
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                                                                                                                        Freier SM;
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Sequence 20 BP; 7 A; 3 C; 6 G; 4 T; 0 U; 0 Other;

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; but sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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                                                                                                                                                                                                         Sequence 20 BP; 4 A; 7 C; 8 G; 1 T; 0 U; 0 Other;
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            Claim 3; Page 83; 125pp; English
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Matches 20; Conservative
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Matches 20; Conservative
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ABN99720/c
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                                                                                                Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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100.0%; Pred. No. 45;
cive 0; Mismatches 0; Indels
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                                                                    Human clusterin inhibiting antisense oligonucleotide 54.
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                                                                                                                                                                                                                                                                                                                                                                             Freier SM;
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                                              16-AUG-2002
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Best Local S
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                               (ISIS-) ISIS PHARM INC
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                         21-MAR-2002.
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                                                                                                      The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; and hyperiplipidemic disorders; but appresent but sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 3 A; 5 C; 8 G; 4 T; 0 U; 0 Other;
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Best Local Similarity 100.
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ABN99724/c
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invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                    DB 1; Length 20;
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                                                    Seguence 20 BP; 5 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                    Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 45; Matches 20; Conservative 0; Mismatches
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Matches
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ABN99690/c
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Homo sapiens.
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                                                                                                            Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                                        Human clusterin inhibiting antisense oligonucleotide 42.
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Best Local Similarity 100.0%; Fred. No. 45;
Best Local Similarity 0; Mismatches
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                       BP.
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                       ABN99708 standard; DNA; 20
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                                             ABN99708;
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ABN99708/c
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia, cardiovascular disorders, hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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ID ABN99672 standard; DNA; 20
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hes 20; Conservative
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; any hyperproliferative disorders, and hyperliphidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
                                                                Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                             Claim 3; Page 83; 125pp; English
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1.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 45; tive 0; Mismatches 0; Indels Best Local Similarity 100. Matches 20; Conservative Query Match 유

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Human clusterin inhibiting antisense oligonucleotide 27 ABN99693 standard; DNA; 20 BP (first entry) 16-AUG-2002 ABN99693 RESULT 145
ABN99683/C
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KW Human;
KW Hyperol
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Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing. 10-SEP-2001; 2001WO-US028235 WO200222635-A1 Нощо варіепв 21-MAR-2002

(ISIS-) ISIS PHARM INC

11-SEP-2000; 2000US-00659791.

Monia BP, Freier SM;

WPI; 2002-404805/43

Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.

Claim 3; Page 83; 125pp; English.

The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense of oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with

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The invention comprises antisense oligomucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligomucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligomucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligomucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholiferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                                                                Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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 (ISIS-) ISIS PHARM INC
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oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesteroclaemia, cardiovascular disorders, hyperproliferative disorders; and hyperlipidemic disorders). The present by seprements a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-0-methoxyethyl wings
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hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other;
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ABN99673/c
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ABN99679;

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RESULT 152

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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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hypercholesterolaemia; cardiovascular disorder; ss;
hyperproliferative disorder; hyperlipidemic disorder;
phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                     Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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Human clusterin inhibiting antisense oligonucleotide 30.
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nes 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                             Freier SM;
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100.0%; Pred. No. 45;
.ive 0; Mismatches 0; Indels
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                                              GTCCAATCAGGGAAGTAAGT 168
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                                                                      ABN99679 standard; DNA; 20 BP
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Query Match

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ABN99696;

RESULT 153
ABN99696/C
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                                                                                                                                                       The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperlipidemic disorders; DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                            Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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100.0%; Pred. No. 45;
ive 0; Mismatches 0; Indels
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            11-SEP-2000; 2000US-00659791
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Les 20; Conservative
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                                (ISIS-) ISIS PHARM INC
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                                                     Freier SM;
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                                                    Monia BP,
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders). The present bNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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100.0%; Pred. No. 45;
iive 0; Mismatches 0; Indels
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Matches
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ABN99723/c
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The invention comprises antisense oligonuclectides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonuclectides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonuclectides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonuclectide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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                                                                              Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder, ss, hyperproliferative disorder, hyperlipidemic disorder, phosphorothioate backbone; 2'-0-methoxyethyl wing.
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llarity 100.0%; Pred. No. 45;
Conservative 0; Mismatches 0; Indels
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                                               Human clusterin inhibiting antisense oligonucleotide 33.
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               (first entry)
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nes 20, Conserv
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               16-AUG-2002
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Matches
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   Score 20; DB 1; Length 20;
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100.0%; Pred. No. --.
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         100.0%; Pr.
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ABN99699 standard; DNA; 20 BP.
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       1.2%;
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                                           Conservative
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                           Similarity
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Gaps

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RESULT 158 ABN99699/c

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clusterin such as hyperlipidemic disorder, cardiovascular disorder

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                                                                                                                                                                                                                                                                                          Sequence 20 BP; 4 A; 5 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                   100.0%; Pred. ...
                                                                                                                                                                                                                                                                      and also contains 2'-0-methoxyethyl wings
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                                                                                                                                                           Claim 3; Page 84; 125pp; English
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                                       2000US-00659791.
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                   10-SEP-2001; 2001WO-US028235
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                                                          (ISIS-) ISIS PHARM INC
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                                                                              Freier SM;
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nes 20; Conserv
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                                       11-SEP-2000;
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                                                                              Monia BP,
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                                                                      The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders; and hyperproliferative disorders; and hyperlipidemic disorders. The present DNA sequence represent a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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100.0%; Pred. No. 45;
ative 0; Mismatches 0; Indels
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Claim 3; Page 83; 125pp; English.
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es 20; Conservative
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(first entry)

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Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                    Human; antisense inhibition; antisense oligonucleotide; clusterin; hypercholesterolaemia; cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
                                                                                                                                        Human clusterin inhibiting antisense oligonucleotide 10
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ABN99676 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense oligonucleotide; clusterin;
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                                                                   DB 1; Length 20;
                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human clusterin inhibiting antisense oligonucleotide 44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, antisense inhibition, antisense oligonucleotide hypercholesterolaemia, cardiovascular disorder; ss; hyperproliferative disorder; hyperlipidemic disorder; phosphorothioate backbone; 2'-0-methoxyethyl wing.
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                            BP; 5 A; 3 C; 9 G; 3 T; 0 U; 0 Other;
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                                                                          ch 1.2%; Score 20; DB 1 Similarity 100.0%; Pred. No. 45; 20; Conservative 0; Mismatches
                                                                                                                                                                               482 CCAGAGCTCGCCCTTCTACT 501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 3; Page 84; 125pp; English
                                                                                                                                                                                                              CCAGAGCTCGCCCTTCTACT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-SEP-2001; 2001WO-US028235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11-SEP-2000; 2000US-00659791
                                                                                                                                                                                                                                                                                                                                                            ABN99710 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-404805/43.
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                                                                                                         Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-AUG-2002
                                 Sequence 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                             ABN99710;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                  Query Match
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ABN 9971C
ABN 9971C
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothicate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                 Score 20; DB 1; Length 20;
Pred. No. 45;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human clusterin inhibiting antisense oligonucleotide 26.
                                                                                                                                                                                                                                                                       Sequence 20 BP; 1 A; 7 C; 3 G; 9 T; 0 U; 0 Other;
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100.0%; Pred. No....
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                     281 GAAGAAGAAGAGGATGCCC 300
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ID ABN99692 standard; DNA; 20 BP.
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Matches 20; Conservative
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928 GCTGCCTGCGGATGAAGGAC 947

20; Conservative

Matches

GCTGCCTGCGGATGAAGGAC 1

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RESULT 163 ABN99676/c

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                                                                                                                                                                                                            The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; hypercholesterolaemia; cardiovascular disorders; hyperproliferative disorders, and hyperlipidemic disorders.) The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
                                                                                                                                                  Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                     Gaps
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100.0%; Pred. No. 45;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 3 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP
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                                                10-SEP-2001; 2001WO-US028235
                                                                    11-SEP-2000; 2000US-00659791
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1es 20; Conservative
                                                                                        (ISIS-) ISIS PHARM INC
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                                                                                                            Monia BP, Freier SM;
                                                                                                                               WPI; 2002-404805/43.
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          WO200222635-A1
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                            21-MAR-2002
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                                                                                                                                                                                                                      The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with clusterin (e.g. hypercholesterolaemia; cardiovascular disorders; by hyperproliferative disorders; and hyperlipidemic disorders). The present DNA sequence represents a clusterin antisense oligonucleotide of the invention. NOTE: The present DNA sequence has a phosphorothioate backbone and also contains 2'-O-methoxyethyl wings
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rheumatoid arthritis; ostecarthritis; microarray; molecular profiling; diagnosis; antiarthritic; CLU; PCR; primer; human; ss.
Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
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(ASSI-) ASSISTANCE PUBLIQUE HOPITAUX PARIS.
(COMS ) COMMISSARIAT ENERGIE ATOMIQUE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Marion S, Chiocchia G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 5; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             893 GACTGTGTGCCGGGAGATCC 912
                                                                                                                                                          Claim 3; Page 83; 125pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GACTGTGTGCCGGGAGATCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLU gene forward PCR primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-JUL-2004 (first entry)
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Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-348476/32
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DB 1; Length 20; 45; 0; Indels

1.2%; Scc... 100.0%; Pred. No. ...

Query Match
Best Local Similarity 100.
Matches 20; Conservative

1361 GCTGCAGGAATACCGCAAAA 1380

20 GCTGCAGGAATACCGCAAAA 1

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ADL70464 standard; RNA; 21 BP.

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RESULT 168

(first entry)

20-MAY-2004

ADL70464;

RNAi for human clusterin.

Sequence 20 BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;

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those used in the microarray experiments and also entirely separate samples. The present sequence is that of a forward PCR primer for CLU; a reverse primer is also provided ADO07106. CLU was shown to be undersexpressed in RA relative to OA samples. The invention provides libraries and arrays of polynucleotide sequences useful for prognosticating or diagnosing RA or OA. Methods are also provided for following the efficiency of a treatment against RA or OA, and for screening potential therapeutic agents for treating RA or OA, and for screening potential
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New library of polynucleotide sequences expressed in cells from synovial tissues, useful for diagnosing and treating rheumatoid arthritis or
                                                                                                                                                                                                                                                                                                                                                                                                                                         Rheumatoid arthritis, osteoarthritis, microarray; molecular profiling;
diagnosis; antiarthritic; CLU; PCR; primer; human; ss.
                                                                                                                                                                                             Gaps
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                                                                                                                                                             Query Match
1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                     Sequence 20 BP; 6 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (INRM ) INSERM INST NAT SANTE & RECH MEDICALE. (ASSI-) ASSISTANCE PUBLIQUE HOPITAUX PARIS. (COMS ) COMMISSARIAT ENERGIE ATOMIQUE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gidrol X, Marion S, Chiocchia G;
                                                                                                                                                                                                                          1180 GCGAAGACCAGTACTATCTG 1199
                                                                                                                                                                                                                                        GCGAAGACCAGTACTATCTG 20
                                                                                                                                                                                                                                                                                                                             AD007106 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-OCT-2003; 2003WO-IB005143.
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                                                                                                                                                                                                                                                                                                                                                                                                                   CLU gene reverse PCR primer
                                                                                                                                                                                                                                                                                                                                                                                      15-JUL-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                          ADC07106;
                                                                                                                                                                                                                                                                                                   RESULT 167
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RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;

/note= "OTHER= drdr"

WO2004018676-A2

04-MAR-2004

21-AUG-2002; 2002US-0405193P. 03-SEP-2002; 2002US-0408152P. 20-MAY-2003; 2003US-0472387P.

21-AUG-2003; 2003WO-CA001277.

/*tag= a /mod_base= OTHER

Location/Qualifiers

modified base

Homo sapiens.

Synthetic.

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The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to human clusterin. The antisense strand is also provided ADL70465. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Trougakos IP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 5 A; 4 C; 5 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jansen B, Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; SEQ ID NO 9; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gonos ES;
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The present invention concerns an analysis of genes differentially expressed in synovial tissues from rheumatoid arthritis (RA) and expressed in synovial tissues from rheumatoid arthritis (RA) and cate osteoarthritis (OA) patients. Microarray technology was used to compare gene expression profiles, and sets of genes were identified based on over expression or under-expression in RA samples compared to OA samples.

Results for 6 of the selected genes (GBPI,CLV, RH70, GLOI, DRS and CTSL) were verified by real-time, quantitative PCR using samples identical to those used in the microarray experiments and also entirely separate samples. The present sequence is that of a reverse PCR primer for CLU; a forward primer is also provided AD07105. CLU was shown to be underectoward trimer is also provided AD07105. CLU was shown to be underectory of polynucleotide sequences useful for prognosticating or and arrays of polynucleotide sequences useful for prognosticating or efficiency of a treatment against RA or OA, and for screening potential therapeutic agents for treating RA or OA, and for screening potential

Disclosure; SEQ ID NO 6; 71pp; English.

Mon Nov

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Gaps

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Indels

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5; Mismatches

15; Conservative

Matches

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70401 or short interfering RNA (siRNA) ADL70422-ADL70445 margeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xi in a subject or cell line comprises administering an agent effective to modulate the amount of ususterin expression. In clusterin-expressing ells, expression of bol-xi is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                             Gaps
                              ö
                                                                                                                                                                                                                                                                    Human, clusterin, RNAi, melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
  Length 21;
                             Indels
                              ;
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Score 20; DB 1;
Pred. No. 54;
5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 20; SEQ ID NO 28; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
20. .21
                                                                                                                                                                                                                                                                                                                                                                                  /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                       (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
                                                                                                                                                         ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
 1.2%;
ilarity 75.0%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-AUG-2003; 2003WO-CA001276
                                                                                                                                                        ADL70430 standard; RNA; 21
                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                          RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-226851/21
Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                            WO2004018675-A1
                                                                                                                                                                                                                                                                                                                                                         Key
modified_base
                                                                                                                                                                                                                                                                                                                sapiens
                                                                                                                                                                                                               20-MAY-2004
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                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              B,
                                                                                                                                                                                    ADL70430;
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                                                                                                                               RESULT 169
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Score 20; DB 1; Length 21; Pred. No. 54;

1.2%;

Query Match Best Local Similarity

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Clusterin and gp38K-related peptide capable of altering cell migration useful for treating atherosclerosis, cancer and stenosis following vascular trauma or disease.
                                                                                                                                                                                                                  Mouse; clusterin; cell migration; wound healing; angiogenesis; cancer; vascular trauma; vascular disease; atherosclerosis; restenosis; complement cytolysis inhibitor; SP-40; 40; apoJ; testosterone repressed prostate message-2; sulfated glycoprotein-2; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 12 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYNY ) UNIV NEW YORK STATE RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 12; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       271 AAGAAGCCAAGAAGAAGA 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGGAAGCCAAGAAGAAGAAAG 21
67
                          20
                                                                                                                                                                                               Murine clusterin PCR primer #2.
48 ATGATGAAGACTCTGCTGCT
              BP.
                                                                                                                                                                                                                                                                                                                                                                                                               99WO-US029262
                                                                                                                                                                                                                                                                                                                                                                                                                                           98US-0111856P
                                                                                                      AAA52782 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL70522 standard; RNA; 19
                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-431300/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for tumour survival
                                                                                                                                                                                                                                                                                                                                                 WO200034469-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                          11-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                               10-DEC-1999;
                                                                                                                                                                 03-JAN-2001
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                                                                                                                                                                                                                                                                                                                                                                               15-JUN-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Millis AJT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL70522;
                                                                                                                                    AAA52782;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 171
ADL70522
ID ADL7052
XX
AC ADL7052
XX
DT 20-MAY-
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                                                                        RESULT 170
                                                                                        AAA52782
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The present sequence is the sense strand of a short interfering RNA (sirNA) targeted to a specific portion ADL/0521 of human clusterin cDNA. The antisense strand is also provided ADL/0523. The siRNA can be used to interfere with the expression of clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated clusterin collowing androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SIRNAs of the invention can be used alone or in combination with other common and prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siRNA was used to examine the effects of clusterin gene silencing in PC-3 prostate cancer cells. A reduction in clusterin transcript was observed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                          RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gleave ME, Signaevsky M, Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 4; SEQ ID NO 67; 63pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         48 ATGATGAAGACTCTGCTGC 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:||:||:|||||| |:||:|| AUGAUGAAGACUCUGCUGC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 172
ADL70523/C
ID ADL70523 standard, RNA, 19 BP.
XC ADL70570
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 73.7
Matches 14; Conservative
              RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21.
                                                                                                                                                                                                                                                                            WO2004018676-A2
                                                                                                                                                                        Key
modified_base
                                                                                                                  Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                            04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Jansen B,
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The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to a specific portion ADL70521 of human clusterin CDNA.

The sense strand is also provided ADL70522. The siRNA can be used to interfer with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (TRPM-2) or sulfated testosterone-repressed prostate message-2 (SGP-2), is expressed in increased amounts by prostate cumour calls following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease.

C siRNAs of the invention can be used alone or in combination with other concerty appropriate for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, amplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease. In an example from the invention, the present siranscript was observed.

C prostate cancer cells. A reduction in clusterin gene silencing in PC-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                               RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beraldi E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; SEQ ID NO 68; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gleave ME, Signaevsky M,
                                                                                                                                                                                                         Location/Qualifiers
18..19
/*tag= a
                                                                                                                                                                                                                                                                                  /note= "OTHER= drdr'
                                                                                                                                                                                                                                                                base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATGATGAAGACTCTGCTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL70444 standard; RNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                              21-AUG-2003; 2003WO-CA001277
               20-MAY-2004 (first entry)
                                                  RNAi for human clusterin.
                                                                                                                                                                                                                                                                     /mod
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                                                                                                                                                                                                                                                                                                                          WO2004018676-A2.
                                                                                                                                                                                                                  Key
modified base
                                                                                                                                                            sapiens.
                                                                                                                                                                                                                                                                                                                                                              04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jansen B,
Gonos ES;
                                                                                                                                                                             Synthetic.
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ADL70444
ID ADL7044
                                                                                                                                                              Homo
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Trougakos IP;

/*tag= a /mod_base= OTHER /note= "OTHER= dTdT"

Location/Qualifiers

18. .19 /*tag=

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1.2%; Score 19; DB 1; Length 19; 73.7%; Pred. No. 52; tive 5; Mismatches 0; Indels

Human, clusterin, RNAi, melanoma, cytostatic, gene silencing, short interfering RNA, sIRNA, DNA-RNA hybrid; ss.

20-MAY-2004 (first entry) for human clusterin. Location/Qualifiers
18. .19
/*tag= a /mod base= OTHER
/note= "OTHER= TT"

Key modified_base

Homo sapiens. Synthetic.

10828394-1 1-1643.rng.sl

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of ollusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.xL in a subject or cell into comparises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                      Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                        RNAi; melanoma; cytostatic; gene silencing;
RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y Match 1.2%; Score 19; DB 1; Length 19; Local Similarity 73.7%; Pred. No. 52; hismatches 0; Indels hes 14; Conservative 5; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19 BP; 5 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 20; SEQ ID NO 42; 32pp; English
                                                                                                                                       Location/Qualifiers
18. 19
/*tag= a
                                                                                                                                                                       /mod_base= OTHER
/note= "OTHER= TT'
                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA.
(GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                        21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                     21-AUG-2003; 2003WO-CA001276
                                (first entry)
                                                     RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-226851/21
                                                                          Human; clusterin;
short interfering
                                                                                                                                                                                                           WO2004018675-A1
                                                                                                                                          Key
modified_base
                                                                                                         Homo sapiens.
Synthetic.
                                20-MAY-2004
                                                                                                                                                                                                                               04-MAR-2004
                                                                                                                                                                                                                                                                                                                                                               Jansen B;
           ADL70444;
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(UYBR-) UNIV BRITISH COLUMBIA. (GLEA/) GLEAVE M E.

WPI; 2004-226851/21.

Jansen B;

21-AUG-2002; 2002US-0405193P. 03-SEP-2002; 2002US-0408152P. 02-DEC-2002; 2002US-0319748P. 20-MAY-2003; 2003US-0472387P.

21-AUG-2003; 2003WO-CA001276

WO2004018675-A1

04-MAR-2004

Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.

Claim 20; SEQ ID NO 43; 32pp; English.

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL7041 or short interfering RNA (siRNA) ADL70422-ADL7045 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl.-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl.-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl.-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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1.2%; Score 19; DB 1; Length 19;
Best Local.Similarity 100.0%; Pred. No. 52;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 5 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48 ATGATGAAGACTCTGCTGC 66
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                                                                                                                                                                                                                                                                                                                                       of apoptosis.
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ID ADL704
XX ADC ADL704
XX DT 20-MAY
XX DE RNAI É
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Gaps ö

Matches

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ADL70445 standard; RNA; 19 BP

ADL70445

RESULT 174 ADL70445/C ID ADL704 XX AC ADL704 XX

/mod_base= OTHER /note= "OTHER= dTdT"

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20. .21 /*tag=

Location/Qualifiers

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New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to human clusterin. The sense strand is also provided ADL70464. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPN-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, sarcomas such segosteosarcoma, renal cell carcinoma, breast cancer, sarcomas such melanoma, and also for the treatment of Alzheimer's disease.
        RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                    Gleave ME, Signaevsky M, Beraldi E, Trougakos IP;
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                                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                                                                                           21-AUG-2003; 2003WO-CA001277.
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20-MAY-2003; 2003US-0472387P.
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Best Local Similarity 100.
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNAi for human clusterin.
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                                                                                                                                                                                                                               WO2004018676-A2
                                                                                                                                 Key
modified base
                                                                                                                                                                                                                                                                                                                             21-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAY-2004
                                                                                 sapiens
                                                                                                                                                                                                                                                               04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                            Jansen B,
Gonos ES;
                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL70431;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL70431/c
ID ADL704
XX
AC ADL704
XX
DT 20-MAY
XX
XX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 176
                                                                                 Ношо
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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin AD170403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide AD170404-AD170421 or short interfering RNA (siRNA) AD170422-AD170445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin RNA. A method for regulating expression of bol-xi in a subject or cell thin comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xi inhibition is significant because bol-xi is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treating melanoma in a mammalian subject comprises administering to t subject a therapeutic agent effective to reduce the effective amount clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ss, primer; cytostatic; antidiabetic; anorectic; cerebroprotective;
neuroprotective; antiinflammatory; gene therapy; antisense therapy;
thyromimetic; NOVX; pathology; cancer; diabetes; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
0
Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human NOVX polypeptide gene reverse primer SEQ ID NO: 417.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / Match 1.2%; Score 19; DB 1; Length 21; Local Similarity 100.0%; Pred. No. 75; nes 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 5 A; 5 C; 4 G; 2 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 20; SEQ ID NO 29; 32pp; English.
                                                                                           Location/Qualifiers 20. .21
                                                                                                                                        /mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          48 ATGATGAAGACTCTGCTGC 66
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19 ATGATGAAGACTCTGCTGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
                                                                                                                                                                                                                                                                                                                                                             BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                 21-AUG-2002; 2002US-0405193P.
03-SEC-2002; 2002US-0408132P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-047387P.
                                                                                                                                                                                                                                                    21-AUG-2003; 2003WO-CA001276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC10398 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                               /*tag= a
/mod base=
                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-226851/21.
                                                                                                                                                                                                                                                                                                                                                                             (GLEA/) GLEAVE M E.
                                                                                                                                                                                          WO2004018675-A1
                                                                                                   Key
modified base
                                                                                                                                                                                                                                                                                                                                                             UNIV
                                                Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-DEC-2003
                                                                                                                                                                                                                         04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADC10398
                                                                                                                                                                                                                                                                                                                                                                                                            Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                               (UYBR-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 177
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Gaps ö

1.2%; Score 19; DB 1; Length 21; 100.0%; Pred. No. 75; tive 0; Mismatches 0; Indels

BP

(first entry)

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endocrine disorder; CNS disorder; inflammatory disorder; chromosome mapping; tissue typing; predictive medicine.
                                                                                                                                                                                                             04-JUN-2001; 2001US-0295607P.
04-JUN-2001; 2001US-0295641P.
06-JUN-2001; 2001US-029641BP.
06-JUN-2001; 2001US-029641BP.
11-JUN-2001; 2001US-0296575P.
11-JUN-2001; 2001US-0296575P.
12-JUN-2001; 2001US-0295573P.
14-JUN-2001; 2001US-029828P.
18-JUN-2001; 2001US-029828P.
18-JUN-2001; 2001US-029913P.
19-JUN-2001; 2001US-029913P.
19-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-029913P.
28-JUN-2001; 2001US-039989P.
14-SEP-2001; 2001US-0301550P.
25-SEP-2001; 2001US-0301550P.
25-SEP-2001; 2001US-031562P.
21-FEB-2002; 2001US-0315656P.
21-FEB-2002; 2002US-0359121P.
22-FEB-2002; 2002US-0359121P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-0359131P.
22-FEB-2002; 2002US-035914P.
23-FEB-2002; 2002US-035914P.
24-FEB-2002; 2002US-035914P.
25-FEB-2002; 2002US-035914P.
26-FEB-2002; 2002US-035914P.
27-FEB-2002; 2002US-035914P
                                                                                                                                                                              04-JUN-2002; 2002WO-US017443
                                                                                                  WO2003000842-A2
                                                             Homo sapiens
                                                                                                                                         03-JAN-2003
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(CURA-) CURAGEN CORP.

Kekuda R; Agee ML, Anderson DW, Berghs C, Casman SJ, Catterton E,
Dipippo VA, Edinger SR, Eisen A, Ellerman K, Gangolli EA,
Gerlach VL, Gorman L, Guo X, Herrmann JL, Hjalt T, Ji W, Kekuda E
Khramtsov NV, Li L, Liu X, Malyankar UM, Miller CE, Millet I;
Ort T, Padigaru M, Patturajan M, Pena CEA, Rastelli L, Rieger DK;
Rothenberg ME, Shenoy SG, Shimkets EA, Smithson G, Spaderna SK;
Spytek KA, Stone DJ, Vernet CAM, Zhong H, Zhong M, Alsobrook JP; Spytek KA, Stone DJ, Burgess CE, Lepley DM;

WPI; 2003-210149/20.

New isolated NOVX polypeptides and nucleic acid molecules useful for treating, preventing and diagnosing pathological conditions with NOVX-associated disorders, such as cancer, obesity, diabetes and inflammatory CNS diseases.

Example B; SEQ ID NO 417; 772pp; English.

The invention relates to novel isolated polypeptides, mature form of the polypeptide, a sequence that is 95% identical to the polypeptide or the polypeptide comprising one or more conservative substitutions. The NOVX polypeptide is useful for treating or preventing a pathology associated with the polypeptide e.g. disorders associated with aberrant expression

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                                      typing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nseq
or activity of the polypeptide, such as cancer, diabetes, obesity, and endocrine, CNS and inflammatory disorders. They can also be used in various detection and screening assays, chromosome mapping, tissue typi and predictive medicine. This sequence corresponds to a primer used to amplify and isolate the coding sequence for one of the polypeptides of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New oligo:nucleotide specific for apolipoprotein-J polymorphisms - u to identify patients susceptible to Alzheimer's disease or prostate cancer.
                                                                                                                                                                                              ö
                                                                                                                                                      Score 18.8; DB 1; Length 22;
Pred. No. 94;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human apolipoprotein-J gene exon 7-specific 3' PCR primer.
                                                                                                                           Sequence 22 BP; 1 A; 7 C; 3 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                              264 AACCTAGAAGAAGCCAAGAAGA 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 20; 62pp; English.
                                                                                                                                                                                                                                                  22 AAGCTAGAGGAAGCCAAGAAGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYCO ) UNIV COLUMBIA NEW YORK
                                                                                                                                                                                                                                                                                                                                                      BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       95US-00420291.
                                                                                                                                                             1.1%;
                                                                                                                                                                                                                                                                                                                                                    AAT41539 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                           Query Match
Best Local Similarity 90.9
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1996-477152/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mayeux R, Tycko B;
                                                                                              the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO9632502-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-APR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                           24-JUN-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-0CT-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                        AAT41539;
                                                                                                                                                                                                                                                                                                                  RESULT 178
AAT41539/C
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Gaps ö Query Match
1.1%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 18; Conservative 0; Mismatches 0; Indels Seguence 18 BP; 3 A; 4 C; 5 G; 6 T; 0 U; 0 Other; 8

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1070 CAACGAGCTGCTAAAGTC 1087

18 CAACGAGCTGCTAAAGTC

g

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of exons 2-8 of the human apolipoprotein-J (ApoJ) gene. The primers were used in a method for detecting polymorphisms associated with an allelic used in a method for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                      New oligo.nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                        Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chromosome 8p clustrin gene (CL1) specific primer (nt 2836-2854).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chromosome 8p; polymerase chain reaction; PCR; primer; CL1; clustrin gene; human; steroidogeneis; acute regulatory protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                              Human apolipoprotein-J gene exon 2-specific 5' PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 18; DB 1; Length 18; Pred. No. 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 7 A; 5 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.1%; Scc.
100.0%; Pred
0; N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 1; Page 20; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22 CGTGCAAAGACTCCAGAA 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CGTGCAAAGACTCCAGAA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP.
                                                                                                                                                                                                                                                                                                                      (UYCO ) UNIV COLUMBIA NEW YORK
                                                                                                                                                                                                                                                                                          95US-00420291.
                                                                                                                                                                                                                                                             96WO-US004510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            501/c
AAT39501 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
AAT41527 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                               WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                                                     Tycko B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-MAY-1997
                                                                                                                                                                                                                                                               02-APR-1996;
                                                                                                                                                                                                                                                                                         11-APR-1995;
                                                                                                                                                                                                     WO9632502-A1
                                                        24-JUN-1997
                                                                                                                                                                                                                                   17-0CT-1996
                                                                                                                                                                                                                                                                                                                                                     Mayeux R,
                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT39501;
                           AAT41527;
                                                                                                                                                                                                                                                                                                                                                                                                                                            cancer.
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   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MAXEXEXEX MA
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The present sequence is a human chromosome 8p clustrin gene (CL1) specific PCR primer, which was used in the confirmation of the regional mapping of the human steroidogenesis acute regulatory protein (hStAR)
                                                                                                                                                                                                                            Isolated human steroidogenesis acute regulatory protein gene - used for detection of mutation(s) of this gene that cause congenital lipoid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel antisense compound targeted to nucleic acid molecule encoding clusterin, useful for treating animal having disease associated with clusterin such as hyperlipidemic disorder, cardiovascular disorder.
                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, antisense inhibition, antisense oligonucleotide, clusterin, hypercholesterolaemia, cardiovascular disorder; ss; PCR, primer; hyperproliferative disorder, hyperlipidemic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                          1.1%; Score 18; DB 1; Length 18; 100.0%; Pred. No. 60;
                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 3 A; 5 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Pred. No.
regional mapping; confirmation; hStAR; ss.
                                                                                                                                                                                                                                                                               Example 7; Page 51; 89pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                            1475 GAGAGCTCTGCACGTCAC 1492
                                                                                                                                                                                  Miller WL, Lin D, Strauss JF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   н
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human clusterin PCR primer 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-SEP-2001; 2001WO-US028235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       11-SEP-2000; 2000US-00659791
                                                                                                                         95US-00410540
                                                                                                  96WO-US003896
                                                                                                                                                                                                                                                                                                                                                                                                                                            GAGAGCTCTGCACGTCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABN99657 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                               (REGC ) UNIV CALIFORNIA.
(UYPE-) UNIV PENNSYLVANIA.
                                                                                                                                                                                                                                                                                                                                                                                                       18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Freier SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-404805/43.
                                                                                                                                                                                                                                                           adrenal hyperplasia.
                                                                                                                                                                                                          WPI; 1996-443130/44
                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200222635-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-AUG-2002
                                                                                                                         3-MAR-1995;
                                                     409629338-A1
                                                                                                  22-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-MAR-2002
                                                                         26-SEP-1996.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Monia BP,
                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABN99657;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      18
                                                                                                                                                                                                                                                                                                                                                                                              Best Local
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 181
ABN99657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           셤
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Mon Nov

against other antiapoptotic genes. The present sequence represents a mismatch control oigonucleotide, used in antisense assays of antiapoptotic protein TRPM-2 (testosterone-repressed prostate message-2)

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gene
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The invention comprises antisense oligonucleotides that are capable of inhibiting expression of the human clusterin gene. The antisense oligonucleotides of the invention are useful for inhibiting the expression of clusterin in cells. The antisense oligonucleotides are also useful for treating an animal with a disease or condition associated with hyperpoliferative disorders; and hyperplaining, and phyerilpidemic disorders. The present DNA sequence represents a PCR primer used to amplify the human clusterin Example 13; Page 80; 125pp; English

Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

ö Score 18; DB 1; Length 18; Pred. No. 60; 0; Mismatches 0; Indels 1.1%; Scor. 100.0%; Pred 0; N TCCGTACGAGCCCCTGAA 763 Local Similarity 100 nes 18; Conservative 746 Query Match ઠે

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Gaps

TCCGTACGAGCCCCTGAA 18 ч g

ACF36409 standard; DNA; 21 (first entry) sednence 18-DEC-2003 ACF36409

ΗB

of a TRPM-2 mismatch control oigonucleotide

TRPM-2; testosterone-repressed prostate message-2; cytostatic; androgen; prostate cancer; anti-apoptotic protein; antisense; ss. Synthetic.

WO2003072591-A1

04-SEP-2003

20-FEB-2003; 2003WO-US005305.

2002US-00080794. 22-FEB-2002; (UYBR-) UNIV BRITISH COLUMBIA

Nelson C, Miyake H, Rennie PS, Gleave M,

Monia

WPI; 2003-689981/65

New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2.

Example 13; Page 20; 44pp; English

The invention relates to a compound consisting of an oligonucleotide with a phosphorothioate backbone throughout, in which: (a) sugars on nucleotide readidues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-dexy; and (b) the cytosines at constitue in a used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-since that in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing control control and some breast cancer cells) that express abnormal levels of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, covarian and some breast cancer cells) that express abnormal levels of concernation and some breast cancer cells) that express abnormal levels of concernation and some breast cancer cells) that express abnormal levels of concernation and some breast cancer cells) that express abnormal levels of concernation and some breast cancer cells) that concernations present in (I) in crease stability in vivo and activity (both in vivo or in vitro) and created in a symergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed

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Gaps

; 0

Query Match
1.1%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 1.1e+02;
Matches 19; Conservative 0; Mismatches 2; Indels

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismatch oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                                                                                                                                                                            Testosterone-repressed prostate message-2; TRPM-2; chemo-sensitivity, radiation-sensitivity; prostate cancer; bladder cancer; ovarian cancer; lung cancer; renal cell carcinoma; RCC; antisense gene therapy; ss.
                                                                                                                   Gaps
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                                                                                1.1%; Score 17.8; DB 1; Length 21; 90.5%; Pred. No. 1.1e+02; ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                        Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Miyake H, Nelson C,
                                                                                                                                                                                                                                                                                                                                                  Control TRPM-2 mismatch oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 15; 14pp; English.
                                                                                                                                                   48 ATGATGAAGACTCTGCTG 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exemplification of the invention.
                                                                                                                                                                    21 ATGATAAATACTCTGCTGCTG 1
                                                                                                                                                                                                                                                          ВР.
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-SEP-2001; 2001US-00967726
                                                                                                  Local Similarity 90.5%;
tes 19; Conservative
                                                                                                                                                                                                                                                          ADM83080 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave M, Rennie PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GLEAVE M.
RENNIE P S.
MIYAKE H.
NELSON C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-778017/73.
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                                                                                                                                                                                                                                                                                                                      03-JUN-2004
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                                                                                                                                                                                                                                                                                        ADM83080;
                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MIYA/)
(NELS/)
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                                                                                                          Best Loca
Matches
                                                                                                                                                                                                                             RESULT 183
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AAT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotein-J (ApoJ) gene. The oligonucleotide (OG) detects the probability of a person developing hizheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytostatic, virucide, neuroprotective, nootropic, neuroleptic, gene chip, antisense, sense; tumour, cell degeneration, cancer, Alzheimer's disease; schizophrenia, protein chip, gene therapy; tumour suppression; human fukutin, ds.
                                                                                                                                                                                                                                                                                                     New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate
Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumour suppression related human fukutin oligo SEQ ID No 253.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Match 1.0%; Score 17; DB 1; Length 17; Local Similarity 100.0%; Pred. No. 68; les 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 5 A; 8 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 21; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         984 TGTTCCACCAACAACC 1000
                                                                                                                                                                                                                   (UYCO ) UNIV COLUMBIA NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
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                                                                                                                                                         96WO-US004510.
                                                                                                                                                                                      95US-00420291.
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                                                                                                                                                                                                                                                  Tycko B;
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                                                                                                                                                            02-APR-1996;
                                                                                                                                                                                        11-APR-1995;
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                                                                                                                             17-OCT-1996.
                                                                    Synthetic.
                                                                                                                                                                                                                                                   Mayeux R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABT34616;
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                                                                                                                                                                                                                                                                                                                                           cancer.
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAT41526 is a primer/probe used to detect a J3 allelic variation in the human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the
                                                                                                                                                                                                                                  Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New oligo:nucleotide specific for apolipoprotein-J polymorphisms - 1 to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human apolipoprotein-J gene J1-allelic specific primer/probe.
                                                                                                                                                                                                        Human apolipoprotein-J gene J3-allelic variant primer/probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Prea. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     effectiveness of therapeutic drugs
               68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 29; Page 41; 62pp; English
                                        Argaradracicidericie 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1023 GAGCTCGACGAATCCCT 1039
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYCO ) UNIV COLUMBIA NEW YORK
               ATGATGAAGACTCTGCTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
                                                                                                                                                                                                                                                                                                                                                                                                                        95US-00420291.
                                                                                                                                                                                                                                                                                                                                                                                          96WO-US004510
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                      AAT41526 standard; DNA; 17
                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1996-477152/47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tycko B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                24-JUN-1997
                                                                                                                                                                                                                                                                                                                                  WO9632502-A1
                                                                                                                                                                                                                                                                                                                                                                                           02-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                        11-APR-1995;
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                                                                                                                                                                                                                                                                                                                                                               17-0CT-1996
                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mayeux R,
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                                                                                                                                                    AAT41526;
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               48
                                          21
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AC AAT4
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Tuijnder M,

Amson R,

Telerman A,

10828394-1 1-1643.rng.sl

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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment at least 80 % identity to the 17 mer sequence that obtained to the ment at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying and/or amplifying a nucleic acid, e.g. as one component of agene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the mucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and contained the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these chips the polypeptides can also be used to generate antibodies, and chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression crafted human fukutin oligomucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic, antiviral; neuroprotective; nootropic; neuroleptic; ss;
primer; probe; tumour suppression; tumour reversion; apoptosis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. nc.
                                                                                                                                                                                               Disclosure; Page 63; 720pp; French.
                                       relerman A, Amson R, Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1551 GATCCTGCACTCTAACA 1567
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB45708 standard; DNA; 17 BP
(MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-SEP-2001; 2001FR-00011981
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Matches 17; Conservative
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ADB45708
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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the curleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour correspondinant polypeptides, and to prepare transgenic acids, as in vitro suppression or reversion, apoptosis and or viral resistance, to produce cecominant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies (calls containing the vectors), the encoded polypeptides and antibodies or viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease can be used for diagnosis and/or prognosis of these diseases. The nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides can be used for diagnosis of potentially useful for treating diseases associated with abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                          New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus; HCV; non-A, non-B hepatitis virus; NANBHV; antisense oligonuclectide; translation inhibition; therapy; 5'-UTR; 5'-untranslated region; loop C; 8s.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.0%; Score 17; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 17; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 6 C; 2 G; 4 T; 0 U; 0 Other;
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(KAGA.) CHEMO SERO THERAPEUTIC RES INST.
(ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                              Disclosure; Page 737; 771pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1551 GATCCTGCACTCTAACA 1567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GATCCTGCACTCTAACA 17
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93JP-00087195
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Western equine encephalomyelitis virus.
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                                  Example 7; Page 24; 91pp; English.
                                                                                                                                                   20 GCCTCCAGGCCCCCCCTCC 1
                                                                                                                                                                             ADN02449 standard; DNA; 20 BP
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H, Hamada F,
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         WPI; 1994-101217/12
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- utilises probes
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is important for protection against an aerosol challenge of WEE used in biological warfare. The prophylactic method of the invention is used for inducing a protective immune response to eastern equine encephalitis virus and Venezuelan equine encephalitis virus in a mammal. The present sequence represents a WEE virus 26S region PCR primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus; HCV; probe; genotyping; hybridisation; non-A, non-B hepatitis; NANBH; amplification; primer; polymerase chain reaction; PCR; line probe assay; LiPA; ss.
                                                                                                                                                                            1.0%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 1.3e+02; Live 0; Mismatches 2; Indels
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100.0%; Pred. No. 75;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Process for genotyping Hepatitis C virus (HCV) isolates hybridising to HCV isolate domains.
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                                                                                                                                     Sequence 20 BP; 2 A; 7 C; 6 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                      524 CGACTCCTGCTGGAGAACG 543
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93EP-00402129.
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Best Local Similarity 90.0
Matches 18; Conservative
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31-AUG-1993;
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19-DEC-1994
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                                                                                                                                                                                                        Antisense oligonucleotides were synthesised which are complementary to target sequences located at 10-nucleotide intervals from nucleotide 1 to 239 in the HCV RNA 5'-unitanslated region. Of these sequences (GAS-1 to CAS-320), oligonucleotide CAS-110 (AASG-8403), which is complementary to a portion of loop C, was found to cause greater than 80% inhibition of core protein translation. The nucleotide at position 119 in loop C has a high variation rate among HCV strains so oligonucleotide CAS-110-1-119 was synthesised in which inosine replaced the T (corresp. to A at position 119) in CAS-110. The CAS-110-1-119 showed an inhibitory activity of more than 70%. A control oligonucleotide (CAS-110-6-119) showed much lower activity. See AAQSB-888-QSB-AQ44885-Q44892 and AAQSB-883. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                Anti:sense oligo:nucleotide(s) complementary to hepatitis C viral genome - useful for inhibiting HCV replication, to treat related diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ss; expression vector; western equine encephalitis; WEE; anti-encephalitis; virus; encephalitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A western equine encephalitis (WEE) virus strain used to develop DNA vaccines to WEE virus and related alphaviruses.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Duchenne muscular dystrophy gene-specific antisense oligonucleotide #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense oligonucleotide; Duchenne muscular dystrophy gene; DMD gene; pre-mRNA recognition alteration; inherited disease; pre-mRNA exon skipping induction; splicing machinery efficiency; ss.
                                                                                                                                                                                                                                                                                                       Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                 Triple helix forming nucleotides 5967-5983 of the dystrophin gene.
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                                                                                       Triple-helix forming region; Triplex formation; DNA detection; identification; bacteria; oncogene; virus; ds.
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ADS00161 standard; RNA; 19 BP.
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 AAX14650 standard; DNA; 17 BP
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The invention comprises a method for generating an oligonucleotide involving: determining from a secondary structure of RNA from an exon, a region that assumes a structure that is hybridised to another part of the region that assumes a structure that is not hybridised in the RNA (closed structure) and subsequently generating an structure (open structure), and subsequently generating an oligonucleotide, where at least one part of the oligonucleotide is complementary to the closed structure and at least one part of the oligonucleotide is complementary to the open structure. The gene from which the RNA comprising the exon is transcribed, may be selected from: oligonucleotide is complementary to the open structure. The gene from which the RNA comprising the exon is transcribed, may be selected from: correct complementary and open structure (IOMD), a collagen VI alpha 1 cm abermant bundon and/or a calpain 3 gene (CAPNB). The colligonucleotides produced by the method of the invention are useful for: oligonucleotides produced by the method of the invention are useful for: colligonucleotides produced by the method of the invention are useful for: colligonucleotides produced by the method of the invention are useful for: the efficiency with which a splice donor or splice acceptor sequence is used by a splicing machinery. The present RNA sequence represents an antisense oligonucleotide that is targeted to the DMD gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Generating an oligonucleotide for treating diseases, comprises determining from a structure of RNA from an exon, a region that assumes structure hybridized to another part of the RNA and a region that is not
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                                                                                                            /mod_base= OTHER
/note= "OTHER = Phosphorothioate backbone"
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DMD gene specific antisense oligonucleotide h41AON1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 0 A; 8 C; 1 G; 0 T; 10 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Den Dunnen JT,
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 2; Page 48; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Van Deutekom JCT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ZIEK-) ACAD ZIEKENHUIS LEIDEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           280 AGAAGAAGAAGAGGA 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-MAR-2003; 2003WO-NL000214.
                                                                                                                                                                                                                                                                                                                                                                                      21-MAR-2003; 2003WO-NL000214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          structure hybridized to anot hybridized in the structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADS73873 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-DEC-2004 (first entry)
                                                                                ๙
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-691055/67.
                                                                                                                                                                                                                                 WO2004083432-A1
        Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Van Ommen GB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 193
ADS73873/c
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Synthetic.

Den Dunnen JT,

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Sequence 19 BP; 0 A; 8 C; 1 G; 0 T; 10 U; 0 Other;
                                                                    Van Ommeren GB, Van Deutekom JCT,
                                                                                                                       Example 1; Page 88; 117pp; English.
                                                        (ZIEK-) ACAD ZIEKENHUIS LEIDEN
                                                                                                                                                                                                                                                                                                                                                                                                              ADI19217 standard, DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                        280 AGAAGAAGAAGAGGA 295
                                 22-MAR-2004; 2004WO-NL000196
                                            21-MAR-2003; 2003WO-NL000214
                                                                                                                                                                                                                                                                                                                                                                                  AGAAGAAGAAGAGGA 2
                                                                                                        structure hybridized to ano
hybridized in the structure
                                                                                                                                                                                                                                                                                                                                                       Local Similarity 100.
nes 16; Conservative
                                                                                WPI; 2004-691060/67.
           WO2004083446-A2
                      30-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                   17
                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 194
                                                                                                                                                                                                                                                                                                                                                                                                          ADI19217/c
ID ADI19
XX
AC ADI19
a
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encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antieense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human PCTAIRE protein kinase 2 antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              a
PCTAIRE
                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antieense oligonuclectide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= c
/mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes a new antisense oligonucleotide, having sequence comprising 8-80 bp targeted to a nucleic acid encoding protein kinase 2, that specifically hybridises with the nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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                                                                                                        gene therapy, antisense technology, PCTAIRE protein kinase 2; neurological disorder, human, PCTAIRE protein kinase 2; ss.
                                                      Human PCTAIRE protein kinase 2 antisense oligonucleotide #71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Score 16; DB 1; Length 20; 100.0%; Pred. No. 1.6e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 1 A; 8 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                       are 5-methylcytidines'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 84; 58pp; English
                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI19270 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-MAY-2002; 2002US-00160787.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             31-MAY-2002; 2002US-00160787.
                                                                                                                                                                                                                                                                                                                                                                                   1..5
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CATGGGAAGAACAGAA
                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 16; Conservative
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                                                                                                                                                                                                                                                                ...20
*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-022085/02
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003225256-A1.
                                                                                                                                                                                                                                                              modified base
                                                                                                                                                                                                                                                                                                                                                                                     modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified_base
                      22-APR-2004
                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI19270;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Watt AT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 195
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to generating an oligonuclectide and involves determining from a secondary structure of RNA from an exon, a region that a sassumes a structure that is hybridized to another part of the RNA (closed structure) and a region that is not hybridize in the structure (open structure) and subsequently generating an oligonuclectide, where at least a part of the oligonuclectide is complementary to the consolutions at occuplementary to the open structures are adjacent to each other. The complementary to the open structures are adjacent to each other. The choice oligonuclectide is complementary to a consecutive part of 14-50 nuclectides of the RNA. It also comprises RNA, where the RNA contains a modification, preferably a 2-0-methyl modified ribose (RNA) or consecutive part of 14-50 nuclectide is complementary to a consecutive part of 14-50 nuclectides of the RNA. It also comprises RNA, where the RNA contains a modification. The pre-mRNA generates a coding region for a protein. The percent of the RNA comprising the exon from mRNA per from the pre-mRNA generates a coding region for a protein. The gene (rouchal), a myclubular myopathy 1 gene (MYMA), a dysferilin gene (CDAA), a navicubular myopathy 1 gene (MYMA), a dysferilin gene (EMD), and/or a calpain 3 gene (GAMA). Preferably, the gene is the DMD gene. The oligonucleotide, its equivalent, or the compound is useful for a least in part altering recognition of the exon creament of an inherited disease; for inducing exon skipping in a preman, for altering exon-recognition in a pre-mRNA; for altering exon-recognition in a pre-mRNA; for altering exon-recognition of a medicament for the exon by a splicing machinery; for inducing exon-skipping of two three, or by a splicing machinery; for inducing exon-skipping of two exons in a pre-mRNA, where intervening sequence further comprises exon and a sequence lone intervening sequence intervening exon exons. Sequences ADS73865-ADS73903 represent antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                   Generating an oligonucleotide for treating diseases, comprises determining from a structure of RNA from an exon, a region that assumes structure hybridized to another part of the RNA and a region that is not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                           Aartsma-Rus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
0
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Pred. No. 1.4e+02;
0; Mismatches 0; Indels
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1.0%; SCUL. 100.0%; Pre

ADI19217

Ϋ.

Oegema

Jones S,

Coulson A,

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The present invention describes an isolated nucleic acid molecule (I), which encodes a polypeptide (II) required for the viability and/or growth and/or reproduction of nematodes (Caenorhabditis elegans), or its fragment. (I) and (II) have nematocide and plant protectant activities, and can be used in gene therapy. (I) is useful for producing (II) required for the viability, growth and/or reproduction of nematodes. Control of the present invention are also useful in a screening assay for interacting drugs that inhibit, stimulate or affect worm growth, the present invention. They are useful for diagnosing or treating human or animal diseases associated with the infection or presence of nematode worms, e.g. Mucharia bacrofti, Brugia malayi, Loa loa or onchocerca volvulus. These diseases include calabar swellings, lymphatic filarisais (elephanticais) or onchocercoma. The nucleic acids, probes, polypeptides, fusion proteins and antibodies are also useful for diagnosing or treating plant diseases associated with the infection or presence of nematode worms. Furthermore, the nucleic acid and amino acid sequences are useful for developing computational models, structural models or other models for evaluating drug binding and efficacy. The present sequence represents a primer which is used in an example from the
                                                                                                                                                                                                                                                                                                                                                                                                                                   New Caenorhabditis elegans genes required for viability, growth or reproduction of nematodes, useful for diagnosing or treating e.g. onchocercoma or elephantiasis in humans or animals, or plant diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HCV infection; replication; pathogenesis; virucide; vaccine; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.0%; Score 15.8; DB 1; Length 19;
89.5%; Pred. No. 1.5e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HCV coding region-derived 60% conserved RNA sequence 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 19 BP; 6 A; 3 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present invention in RNAi experiments
                                                                                                                                                                                                                                                                                                                             Hyman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 28; 35pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    551 GCAGACGCACATGCTGGAT 569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCAGAAGCAGATGCTGGAT 19
                                                                                                                                                                                                                                                                                 GMBH
                                                                                                                                                                                           09-NOV-2001; 2001WO-EP013038
                                                                                                                                                                                                                                        09-NOV-2000; 2000US-0246721P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADD00110 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        caused by e.g. Heterodera.
                                                                                                                                                                                                                                                                                                                        Echeverri C, Goenczy P,
Kirkham M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 89.5
ses 17; Conservative
                                                                                                                                                                                                                                                                                    (CENI-) CENIX BIOSCIENCE
                                         Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-471547/50
                                                                                                           WO200238600-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JAN-2004
                                                                                                                                                  16-MAY-2002
primer; ss
                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADD00110;
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADD00110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ***********
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes a new antisense oligonucleotide, having a sequence comprising 8-80 bp targeted to a nucleic acid encoding PCTAIRE protein kinase 2, that specifically hybridises with the nucleic acid encoding PCTAIRE protein kinase 2 and having a sequence comprising 20 bp. The antisense oligonucleotide is useful for preparing a composition for treating e.g., neurological disorders. This sequence represents a human
                                                                                                                                                                                               /mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotide, having a sequence targeted to a nucleic acid encoding PCTAIRE protein kinase 2, useful for preparing a composition for treating neurological disorders.
                                                                                                                                                                                                                                                                                      /*tag= a
/mod_base= OTHER
/note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                             /*tag= c
/mod_base= OTHER
/note= "OTHER= 2'-O-Methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Caenorhabditis elegans; C. elegans; reproduction; development; antinematode; nematocide; plant protectant; gene therapy; infection; calabar swelling; lymphatic filariasis; elephantiasis; onchocercoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                    gene therapy, antisense technology; PCTAIRE protein kinase 2; neurological disorder; human; PCTAIRE protein kinase 2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.0%; Score 16; DB 1; Length 20; 100.0%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Caenorhabditis elegans related dsRNA2 upstream primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein kinase 2 antisense oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 9 A; 2 C; 8 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Preα....ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 137; 58pp; English
                                                                                                                           Location/Qualifiers
1. .20
/*tag= b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1583 CATGGGAAGAACAGAA 1598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CATGGGAAGAACAGAA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-MAY-2002; 2002US-00160787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABN88070 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16; Conservative
                                                                                                                                                                                                                                                                                                                                                   15. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-022085/02.
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                                                                                                                                    Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                        modified base
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                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-AUG-2002
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New double-stranded short interfering nucleic acid comprises sugar-
modified pyrimidine bases useful for treating infection with hepatitis C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     short interfering nucleic acid; siNA; virus replication inhibition; hepatitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatocellular cancer; cirrhosis; ss.
                                                                                                                              The invention relates to a novel isolated double stranded RNA coligonuclectide about 19 to about 25 ribonuclectides in length or its equivalent. One strand of the oligonuclectide comprises the same nuclectide sequence as a region of a hepatitis C virus (HCV) target RNA polynuclectide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonuclectide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved RNA sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis C virus short interfering nucleic acid sense strand SeqID305.
                                                          New double stranded RNA oligonucleotide, useful for preparing a composition for treating or preventing hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                   Score 15.8; DB 1; Length 19;
Pred. No. 1.5e+02;
1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Morrissey
Yang Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     à
 Martinez A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen J, Beigelman L, Macejak
                                                                                                           Disclosure; Page 61; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                      222 CTCATAGAAAAAACAAACG 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-AUG-2002, 2002US-0401104P.
29-AUG-2002, 2002US-0406704P.
05-SEP-2002, 2002US-0406370P.
09-SEP-2002, 2002US-0409293P.
15-JAN-2003, 2003US-0440129P.
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11-MAR-2002; 2002US-0363124P.
26-MAR-2002; 2002WO-US009187.
06-JUN-2002; 2002US-0386782P.
                                                                                                                                                                                                                                                                                                                                                             1.0%;
84.2%;
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 Glass JI,
                                                                                                                                                                                                                                                                                                                                                                                            16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-689778/65.
                              WPI; 2003-268345/26.
                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
Matches 16, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus
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                                                                                                                                                                                                                                                                                                                                                                Query Match
    Zhao G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 199
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                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel isolated double stranded RNA oligonucleotide about 19 to about 25 ribonucleotides in length or its equivalent. One strand of the oligonucleotide comprises the same nucleotide sequence as a region of a hepatitis C virus (HCV) target RNA polynucleotide sequence required for hepatitis C virus infection, replication or pathogenesis in vitro or in vivo in a host cell. The oligonucleotide of the invention demonstrates virucide activity and may be useful for preparing a composition or vaccine for treating or preventing hepatitis C virus, as well as during gene therapy procedures. The current sequence is that of the HCV coding region-derived conserved RNA sequence of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                      New double stranded RNA oligonucleotide, useful for preparing a composition for treating or preventing hepatitis {\tt C} virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 1.0%; Score 15.8; DB 1; Length 19; Local Similarity 84.2%; Pred. No. 1.5e+02; les 16; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HCV coding region-derived 50% conserved RNA sequence 205.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                             Martinez A, Yang Y;
                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 48; 173pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     222 CTCATAGAAAAAAGG 240
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20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-AUG-2002; 2002WO-US021843
                                                                                                                                17-AUG-2001; 2001US-0313076P.
20-DEC-2001; 2001US-0344116P.
01-FEB-2002; 2002US-0353750P.
                                                                                                    16-AUG-2002; 2002WO-US021843.
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                                                                                                                                                                                                                             Lu J, Glass JI,
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                                                                                                                                                                                               (ELIL ) LILLY & CO ELI
                                                                                                                                                                                                                                                            WPI; 2003-268345/26.
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         Hepatitis C virus.
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                                          WO2003016572-A1
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                                                                         27-FEB-2003
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Matches
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20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL70462 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                          1.09
Best Local Similarity 89.59
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNAi for human clusterin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2004018676-A2
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Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL70462;
                         virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL70462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                          This invention relates to novel double-stranded short interfering nucleic acids (sINA) that inhibits replication of hepatitis C virus (HCV), where one strand is an antibases strand (ASS) that is complementary to (part of an HCV RNA (portion) and a sense strand (SS) that is complementary to (part and where most of the pyrimidine nucleotides comprise a sugar modification. The invention may allow development of compounds with virucide, antiinflammatory, hepatotropic or cytostatic activities by modulation (inhibition) of expression or activity of HCV RNA, by RNA interference. The siNA s of the invention may be used to inhibit replication of HCV, in cells, tissue explants or organisms, for treating replication and its consequences (liver failure; hepatocellular cancer and cirrhosis), and also for drug screening, diagnosis, target identification and validation, genetic engineering, pharmacogenomics, studying gene function and gene mapping (for example of single-nucleotide polymorphisms). The chemical modification improves stability, activity, cellular uptake and/or binding affinity. The sinA can be directed to conserved regions of HCV genes, so are active against many different
                                                                                                                                                                                                                                                                                                                                                ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 short interfering nucleic acid; siNA; virus replication inhibition; hepatitis C virus; HCV; sugar modification; virucide; antiinflammatory; hepatotropic; cytostatic; RNA interference; HCV infection; liver failure; hepatocellular cancer; cirrhosis; ss.
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                                                                                                                                                                                                                                                                                                                    Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 84.2%; Pred. No. 1.5e+02; Matches 16; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                             Sequence 19 BP; 11 A; 5 C; 2 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis C virus siNA antisense strand SegID1001.
                         Example 3; SEQ ID NO 305; 183pp; English.
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                                                                                                                                                                                                                                                                                                                                                                         20-FEB-2002; 2002US-0358580P.

11-MAR-2002; 2002US-0363124P.

26-MAR-2002; 2002WG-03809187.

06-JUN-2002; 2002US-0386782P.

05-AUG-2002; 2002US-0401104P.

29-AUG-2002; 2002US-0406784P.

05-SEP-2002; 2002US-0408378P.

09-SEP-2002; 2002US-040939P.

15-JAN-2003; 2003US-0440129P.
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ADF52411 standard; RNA; 19 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C virus
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This invention relates to novel double-stranded short interfering nucleic acids (siNA) that inhibits replication of hepatitis C virus (HCV), where consider an antisense strand (ASS) that is complementary to (part of an HCV RNA (portion) and a sense strand (SS) that is complementary to (part of an HCV RNA (portion) and a sense strand (SS) that is complementary to (part and where most of the pyrimidine nucleotides comprise a sugar modification. The invention may allow development of compounds with virucide, antinflammatory, hepatotropic or cytostatic activities by modulation (inhibition) of expression or activity of HCV RNA, by RNA interference. The sinAs of the invention may be used to inhibit replication of HCV, in cells, tissue explants or organisms, for treating HCV infection and its consequences (liver failure, hepatocellular cancer and cirrhosis), and also for drug screening, diagnosis, target identification and validation, genetic engineering, pharmacogenomics, studying gene function and gene mapping (for example of single-nucleotide polymorphisms). The chemical modification improves stability, activity, cellular uptake and/or binding affinity. The sinA can be directed to conserved regions of HCV genes, so are active against many different
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New double-stranded short interfering nucleic acid comprises sugarmodified pyrimidine bases useful for treating infection with hepatitis C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 1 A; 2 C; 5 G; 0 T; 11 U; 0 Other;
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                                                                                                                                                                                       Example 3; SEQ ID NO 1001; 183pp; English
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/mod_base= OTHER
/note= "OTHER= dTdT"
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18. .19
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The present sequence is the sense strand of a short interfering RNA (sirNA) targeted to human clusterin. The antisense strand is also provided ADL70463. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. SiRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing streaments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                     New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                                1.0%; Score 15.8; DB 1; Length 19; 63.2%; Pred. No. 1.5e+02; tive 5; Mismatches 2; Indels
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                                                                                                                          Claim 4; SEQ ID NO 7; 63pp; English
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/mod_base= OTHER
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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nes 12; Conservative
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           WPI; 2004-226852/21
                                                                                               disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2004018676-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL70463;
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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셤
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                   New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's
                                                                                                               The present sequence is the antisense strand of a short interfering RNA ADL70462. The sirNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TREM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as treatment of prostate cancer, sarcomas such as cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                           .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; 88.
                                                                                                                                                                                                                                                                                                                                                Length 19;
                                                                                                                                                                                                                                                                                                                                                                           2; Indels
                                                                                                                                                                                                                                                                                                                    Sequence 19 BP; 5 A; 1 C; 3 G; 2 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                1.0%; Score 15.8; DB 1;
89.5%; Pred. No. 1.5e+02;
cive 0; Mismatches 2;
                                                                                             Claim 4; SEQ ID NO 8; 63pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                                                                                       1614 ACTAATTCAATAAAACTGT 1632
                                                                                                                                                                                                                                                                                                                                                                                                                         ; 2002US-0405193P.
; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL70429 standard; RNA; 19 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 89.5
es 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-226851/21
WPI; 2004-226852/21.
                                                                      disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2004018675-A1
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modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-2002;
03-SEP-2002;
02-DEC-2002;
20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADL70429;
                                                                                                                                                                                                                                                                                                                                                       Query Match
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                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
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Gaps

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clusterin in the melanoma cells.

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                                                                                           The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of
         Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; clusterin; RNAi; melanoma; cytostatic; gene silencing;
short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                                                                                  1.0%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 1.5e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                      Seguence 19 BP; 5 A; 1 C; 3 G; 2 T; 8 U; 0 Other;
                                                                        Claim 20; SEQ ID NO 27; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/mod_base= OTHER
/note= "OTHER= TT'
                                                                                                                                                                                                                                                                                                                                                                                                  1614 ACTAATTCAATAAAACTGT 1632
                                                                                                                                                                                                                                                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA (GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ВЪ
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03-SEP-2002; 2002US-0408152P
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL70426 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-226851/21.
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
Synthetic.
                                                                                                                                                                                                                                                                             of apoptosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL70426;
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                                                                                                                                                                                                                                                                                                                                      Query Match
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                                         The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70425 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of clusterin in the melanoma cells.
                                                                                                                                                                                                                                                                                                       Gaps
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short interfering RNA; siRNA; DNA-RNA hybrid; ss.
                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 63.2%; Pred. No. 1.5e+02;
Matches 12; Conservative 5; Mismatches 2; Indels
                                                                                                                                                                                                                                             Sequence 19 BP; 8 A; 3 C; 1 G; 2 T; 5 U; 0 Other;
                           Claim 10; SEQ ID NO 24; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 20; SEQ ID NO 26; 32pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/mod_base= OTHER
/note= "OTHER= TT"
                                                                                                                                                                                                                                                                                                                                  1616 TAATTCAATAAACTGTCT 1634
                                                                                                                                                                                                                                                                                                                                                 ; 2002US-0405193P.
; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                        BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL70428 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GLEA/) GLEAVE M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2004018675-A1
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-AUG-2002;
03-SEP-2002;
02-DEC-2002;
20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL70428;
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                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 205
                                                                                                                                                                                                                                                                                                                                                                                                                             ADL70428
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Length 17;

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The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL/0403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL/0404-ADL/0421 or short interfering RNA (siRNA) ADL/0422-ADL/0445 targeted to clusterin. The siRNAB molecules direct cleavage of clusterin mRNA. A method for regulating expression of bol-xL in a subject or cell into comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bol-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bol-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     of apoptosis.
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ö 1.0%; Score 15.8; DB 1; Length 19; 63.2%; Pred. No. 1.5e+02; tive 5; Mismatches 2; Indels Sequence 19 BP; 8 A; 3 C; 1 G; 2 T; 5 U; 0 Other; 1616 TAATTCAATAAACTGTCT 1634 12; Conservative Query Match Best Local Similarity Matches 12; Conserv

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Gaps

AAT41543 standard; DNA; 17 BP (first entry) 24-JUN-1997 AAT41543; RESULT

Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR; diagnosis; ss. Human apolipoprotein-J gene Jl-allelic specific primer/probe.

WO9632502-A1 17-0CT-1996 Synthetic.

95US-00420291. 11-APR-1995; (UYCO) UNIV COLUMBIA NEW YORK.

WPI; 1996-477152/47. Tycko B; Mayeux R,

v oligo:nucleotide specific for apolipoprotein-J polymorphisms - v identify patients susceptible to Alzheimer's disease or prostate cancer. New

Example 1; Page 21; 62pp; English.

AAT41542 and AAT41543 are J1 allele-specific primer/probes used as controls in an example of a method for detecting polymorphisms associated with an allelic variation in the human apolipoprotechard (Appu) gene. The oligonucleotide (OG) detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person developing a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the effectiveness of therapeutic drugs

AAX63903 standard; RNA; 17 BP

AAX63903,

AAX63903

Sequence 17 BP; 5 A; 6 C; 3 G; 3 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human apolipoprotein-J (ApoJ) gene. The primer/probe is used for human apolipoprotein-J (ApoJ) gene. The primer/probe is used for detecting polymorphisms associated with an allelic variation in the ApoJ gene. The oligomucleotide (OGJ detects the probability of a person developing Alzheimer's disease (AD), preferably in patients of African or Hispanic descent. The OG also detects the probability of a person everloping a cognitive disorder, or a prostatic carcinoma. Transgenic mammals expressing an allelic variant of an ApoJ gene may be used as a prognostic and diagnostic means for studying AD, and to determine the
                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New oligo:nucleotide specific for apolipoprotein-J polymorphisms - used to identify patients susceptible to Alzheimer's disease or prostate
                                                                                                                                                                                                                                                                          Apolipoprotein J; ApoJ; polymorphism; detection; allele; exon; probe; primer; specific; Alzheimer's disease; polymerase chain reaction; PCR
                           Gaps
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94.1%; Pred. No. 1.1e+02;
lve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                              Human apolipoprotein-J gene J2-allelic variant primer/probe.
                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 9 C; 1 G; 3 T; 0 U; 0 Other;
Score 15.4; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                effectiveness of therapeutic drugs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 27; Page 40; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              984 TGTTCCACCAACAACCC 1000
                                                           1023 GAGCTCGACGAATCCCT 1039
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYCO ) UNIV COLUMBIA NEW YORK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17
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                                                                                       17
                                                                                                                                                                BP
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   0.98;
                                                                                                                                                                AAT41525 standard; DNA; 17
                                                                               GAGCTCAACGAATCCCT
                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
    Query Match
Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1996-477152/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mayeux R, Tycko B;
                                                                                                                                                                                                                                                                                                                diagnosis; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mac
Local Sim
16;
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                                                                                                                                                                                                                                                                                                                                                                                                                                02-APR-1996;
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                                                                                                                                                                                                                          24-JUN-1997
                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                             AAT41525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cancer.
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The present invention describes a novel enzymatic nucleic acid (ENA)
having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues
(i) (ii) a 2'-C-allyl modification at position 4 of the ENA; (iii) at least
(ten 2'-O-methyl modifications; and (iv) a 3'-end modification. The ENA's
(can inhibit collagenase and stromelysin production in the synovial
can inhibit collagenase and stromelysin production in the synovial
con inhibit collagenase and stromelysin production in the synovial
con inhibit collagenase and stromelysin production in the synovial
conservationary osteoarthritis or rheumatoid arthritis. The ENA's can also
be used to treat antigen presenting cells of a donor to induce tolerance
in a recipient to an alloantigen of a donor. They can also be used for
conhancing graft tolerance or for treating autoimmune disease, and for
treating allergies and other inflammatory conditions. The ENA's can also
be used in diagnosis. Ribozyme therapy impacts on the expression of
stromelysin which accompany treatment with retinoids and dexamethasone.

The concentration of ribozyme required to affect a therapeutic treatment
is lower than that required of antisense molecules, and is highly
specific. The present sequence is used in the exemplification of the
                                                        Arthritic condition; graft tolerance; immune response; target; cleavage; hammerhead ribozyme; hairpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic nucleic acid molecules having a hammer-head motif - used for the treatment of arthritis, induction of graft tolerance or treatment auto-immune diseases.
                                               Rabbit stromelysin hammerhead target SEQ ID NO:535.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 154; 307pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RIBO-) RIBOZYME PHARM INC.
               20-JUL-1999 (first entry)
                                                                                                                                                                                               Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1996-300653/30.
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Mcswiggen J,
Karpeisky A,
                                                                                                                                                                                                                                                                                                                                           13-DEC-1994;
23-DEC-1994;
17-FEB-1995;
20-ARR-1995;
02-MAY-1995;
07-JUL-1995;
07-JUL-1995;
07-JUL-1995;
07-JUL-1995;
                                                                                                                                                                                                                                   WO9618736-A2
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95US-00512861 95US-00541365

94US-00354920. 94US-00363253. 94US-00363254. 95US-0030850. 95US-00426124. 95US-00432874. 95US-000351P.

95WO-US015516

Stinchcomb DT, Jarvis T, Draper K, Pavco P; Gustofson J, Usman N, Wincott F, Matulic-Adamic J; Thompson JD, Modak A, Burgin A;

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The invention relates to a nucleic acid molecule which down regulates corression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids a ribozyme or a rubczyme (an endolytic nucleic acid cleaving a an RNA molecule DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NYM motif) proceed an amberzyme (cleaving RNA with an NYM motif) proceed an endolytic nucleic acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA with a PGY motif). The CD20-targetting nucleic acid is used to cleave RNA coff configuration in may further comprise the use of one or more configuration in particular, the CD20 targetting nucleic acid may be used to therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-treat lymphoma (MLL), immunocytoma (MCL), immunocytoma in the Lagrace of the NOGO gene in the
                                                                                                              Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
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WPI; 2001-607195/69
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Gaps

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Query Match 0.9%; Score 15.4; DB 1; Length 17; Best Local Similarity 94.1%; Pred. No. 1.1e+02; Matches 16; Conservative 0; Mismatches 1; Indels

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Sequence 17 BP; 4 A; 2 C; 4 G; 0 T; 7 U; 0 Other;

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Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurice growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; InD2yme; amberzyme; zinzyme; Inozyme; decleaver; amberzyme; zinzyme; lymphoma; leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; DIWC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy.induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     BW
                                                                                   Human NOGO Hammerhead Ribozyme #170
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chowrira
                    B
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                                                09-FEB-2001; 2001WO-US004273
                  ABK00170 standard; RNA; 17
                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                RIBOZYME PHARM
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blatt L, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                      MCSWIGGEN J.
                                                                                                                                                                                                                                                                                      WO200159103-A2.
                                                                                                                                                                                                                                                      варіепв.
                                                               12-MAR-2002
                                                                                                                                                                                                                                                                                                            16-AUG-2001
                                                                                                                                                                                                                                                                  Synthetic.
                                          ABK00170;
                                                                                                                                                                                                                                                                                                                                                                                                (RIBO-) 1
(BLAT/) 1
(MCSW/) 1
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RESULT 209
ABK00170/c
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presence of a divalent cation that is preferably Mg^2,+. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the cell and treat a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MS), darkingon's disease, creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        °,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                sequence is a hammerhead ribozyme of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 15.4; DB 1; 94.1%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234559P.
04-OCT-2000; 2000US-0234559P.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US0006670.
05-FEB-2001; 2001WO-US000669.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       94.18;
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Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-MAY-2002
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in samples, as amplification substrates, to nucleic acids can be used as probes to detect, characterise and quantify compared initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption indisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines for for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines of for replacement therapy. The production, and in vaccines of for replacement therapy. The present associated with the expression of hGDMLP-1 is particular heart of sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed production in the exemplification, but was obtained in electronic format directly from WIPO at the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytostatic; immunostimulant; gene therapy; vaccine; human;
zinc finger protein; MD23; MD24; MD27; MD212; chromosome 7q22.1;
chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer;
developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New zinc finger-containing proteins and nucleic acids, useful in manifacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
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0
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94.1%; Pred. No. 1.1e+02;
Ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human MDZ3 scanning oligonucleotide SEQ ID 1451.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     at ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        273 GAAGCCAAGAAGAA 289
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les 16; Conservative
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Matches
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 8666; 214pp; English

Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

Gu Y, Ji Y, Penn SG, WPI; 2002-179446/23.

(AEOM-) AEOMICA INC.

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The present invention relates to novel human zinc finger-containing proteins and their coding sequences; MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is encoded at chromosome 6p21.3-2.2, MDZ7 is encoded at chromosome 6p21.3-2.2, MDZ7 is encoded at chromosome 6p21.3-2.2, MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p21.2 and MDZ12 is encoded at chromosome 16p2.2 and MDZ12 is encoded at chromosome 16p2.2 and MDZ1, e.g. cancer or developmental disorders. The nucleic associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids and sloo be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as the present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; se.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Match 0.9%; Score 15.4; DB 1; Length 17; Local Similarity 94.1%; Pred. No. 1.1e+02; les 16; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 3 A; 7 C; 5 G; 2 T; 0 U; 0 Other;
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08-JUN-2001, 2001US-0087478.
08-JUN-2001, 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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Roberts E;
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MACEJAK D.
MCWIGGEN J.
MORRISSEY D.
PAVCO P.
LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200281494-A1.
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (BLAT/) (MACE/) | (MCSW/) | (MCRK/) | (PAVC/) | (LEEP/) | (DRAP/) | (GRAP/) | (GRAP/) | (ROBE/) 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD62817;
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, and enzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV. The compounds and compounds of the invention are useful for the treatment of degenerative and classase states related to HBV and HCV infection, replication and gene carcinoma. The present sequence represents a substrate for one of the HCV compounds or minus strand DNAzyme sequences disclosed in the present
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                                                       Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HCV DNAzyme substrate sequence #1542.
                                                                                                                                                                                                            Claim 1; Page 288; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 767 CCACGCCATGTTCCAGC 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACD59852 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-0087478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17 CCACGCCATGTTCCGGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RIBOZYME PHARM INC.
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24-SEP-2003 (first entry)
WPI; 2003-229207/22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200281494-A1.
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                                                                                                                                             infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD59852;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RIBO-) H
(BLAT/) H
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 213
ACD59852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loca
Matches
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(MOLE-) MOLECULAR ENGINES LAB

Lee P;

Pavco P,

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, amberzymes, amberzymes, antisense concernity and are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonuclectides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV CO DNA. The nucleic acids may be used to modulate the expression of HBV CO Compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic, antiviral, neuroprotective, nootropic, neuroleptic, ss;
primer; probe, tumour suppression, tumour reversion; apoptosis;
virus resistance, transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                           Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 15.4; DB 1; Length 17; 70.6%; Pred. No. 1.1e+02; tive 4; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tumour suppression/reversion associated nucleotide #5826.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                            Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                              Claim 1; Page 261; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            766 TCCACGCCATGTTCCAG 782
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADB45503 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                             Macejak D,
Roberts E;
               MCSWIGGEN J. MORRISSEY D.
                                                                                                                                                                              WPI; 2003-229207/22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                              LEE P.
DRAPER K.
ROBERTS E.
MACEJAK D.
                                              PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003040369-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diagnosis.
                                                                                                                               Blatt L, N
Draper K,
                                                                                                                                                                                                                                                 Infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention
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                                                (PAVC/)
(LEEP/)
(DRAP/)
(ROBE/)
                 (MCSW/)
 MACE/)
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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 18% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, cleenifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and comparing the polypeptides are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or viral infections or diseases characterized by development of tumours or cill degeneration (e.g. Alzhaimer's disease or solizophrenia).

Calso he used to screen for their specific interactive molecules, and/or prognosis of these diseases. The nucleotides and polypeptides can and/or prognosis of these diseases. The nucleotides and polypeptides can and/or prognosis of these theorem for their specific interactive molecules.
                                                                                                    New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV;
HCV infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        useful for treating diseases associated with abnormal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 15.4; DB 1; Length 17;
14.1%; Pred. No. 1.1e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 4 A; 7 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HCV DNAzyme substrate sequence #1542.
                                                                                                                                                                                       Disclosure; Page 713; 771pp; French
                                              Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1551 GATCCTGCACTCTAACA 1567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                expression of the nucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-DEC-2000; 2000US-00740332
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Best Local Similarity 94.1%;
Matches 16; Conservative
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
                                                relerman A, Amson R,
                                                                                 WPI; 2003-441574/41.
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(PAVC/)
(MACE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BLAT/)
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                                             Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                      The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                         Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                  Query Match

0.9%; Score 15.4; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 1.1e+02;
Matches 12; Conservative 4; Mismatches 1; Indels
         Macejack D;
                                                                                                                                                                                                Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
          Pavco PA,
                                                                                     Claim 1; SEQ ID NO 1542; 198pp; English
                                                                                                                                                                                                                                                                                                                                                                                           Human GDMLP-1 probe SEQ ID NO:8666.
          Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2000; 2000US-0207456P.
27-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000US-0236359P.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
                                                                                                                                                                                                                                                            766 TCCACGCCATGTTCCAG 782
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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                                                                                                                                                                                                                                                                                                                                 ACN71764 Btandard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                       (first entry)
           Blatt L, Mcswiggen J,
                             WPI; 2004-031273/03
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(JIYY/) JI Y.
(PENN/) PENN S G
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                                                                                                                                                                                                                                                                                                                                                    ACN71764;
                                                                                                                                                                                 sequence.
                                                                                                                                                                                                                                                                                                              RESULT 216
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hgDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or pharmaceutical composition of the inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; growth factor; zapol; angiopoietin homologue; cell growth; tissue development; multimeric protein; hematopoietic; angiogenic; tissue revascularization; full-thickness skin wound; venous stasis ulcer; fracture repair; skin grafting; reconstructive surgery; transplanted cell; PCR primer; ss.
                                                                                                                                                                                                                                          Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zapol, a novel angiopoietin homologue, and related DNA, useful for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PCR primer for DNA encoding a human growth factor designated zapol.
                                                                                                                                   Shannon ME;
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0.9%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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                                                                                                                                   Chen
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                                                                                                                                   Rank D,
                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 8666; Opp; English
                                                                                                                                   Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
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                                                                                                                                         Ji Y, Penn SG,
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                                                                                                                                                                                           WPI; 2004-533378/51.
                                                                                  SHANNON M E.
  HANZEL D K.
                             RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-DEC-1998;
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(HANZ/) H
(RANK/) F
(CHEN/) (
(SHAN/) S
                                                                                                                                                                                                                                                                                                                                           function
                                                                                                                                         Su Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 217
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Sequence 18 BP; 1 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                      Claim 19; SEQ ID NO 68096; 146pp; English.
         Example 3; Page 55; 56pp; English
                                                                                                                                        284 GAAGAAAGAGGATGCCC 300
                                                                                                                                                                                ADR74784 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                   10-MAR-2004; 2004WO-US007140.
                                                                                                                                                                                                                                                                                              10-MAR-2003; 2003US-0453050P.
30-APR-2003; 2003US-0466437P.
                                                                                                                                                GAAGAAGAGGCTGCCC 2
                                                                                                                        Local Similarity 94.1%;
Les 16; Conservative
                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                           Cargill M, Devlin JJ,
                                                                                                                                                                                                                                                                                                               (APPL-) APPLERA CORP.
                                                                                                                                                                                                                                                                                                                                      WPI; 2004-668949/65.
                                                                                                                                                                                                                                                              WO2004081186-A2.
                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                      16-DEC-2004
                                                                                                                                                                                                                                                                         23-SEP-2004.
                                                                                                                                                                                            ADR74784;
                                                                                                                                                    18
                                                                                                                    Query Match
                                                                                                                                                                      RESULT 218
                                                                                                                               Matches
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comprising at least 8 contiguous nucleotides where one of the nucleotides is an SNP as cited above, or their complement), an isolated comprising an amino acid sequence selected from any of the 696 amino acid sequences (not defined in the specification), an antibody cthat specifically binds to the polympetide (or its antigen-binding the SNP as cited (where fragment), an amplified polymucleotide containing the SNP as cited (where cf fragment), an amplified polymucleotide containing the SNP, as the for nucleotides in length), an isolated polymucleotide which specifically containing the SNP, as that for hybridises to a nucleic acid molecule containing the SNP, as that for cefetering a SNP in a nucleic acid detecting a SNP in a nucleic acid molecule, detecting a type prophylactically treating stenois: The detection in therapeutically or prophylactically treating stenois: The detection in therapeutically or prophylactically treating stenois: The detection step of the method is carried out by a process selected from allelescapedic amplification, sequencing, 5' nuclease digestion, molecular specific amplification, sequencing, 5' nuclease digestion, molecular conformation polymorphism. The method is useful for identifying an individual who has altered risk for develophym coronary stenoisis, and ultimately sudden cardiac death. The present sequence is an allele conformation pulymorphism in the present sequence is an allele conformation but are provided on a CD-R named CL001510CDR which was not specification but are provided on a CD-R named CL001510CDR which was not conspiled with the specification.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /nore= "This sequence contains a polyamide backbone instead of a deoxyribose backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide nucleic acid; PNA; probe; hybridisation; mycobacteria;
ribosomal nucleic acid; rRNA; drug-resistant strain; mutation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 15.4; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 1.4e+02; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 18 BP; 4 A; 3 C; 5 G; 5 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mollerup TA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              500 CTTCTGGATGAATGGTGA 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide nucleic acid probe 111.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAV31968 standard; DNA; 15 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96DK-00001096
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97DK-00000512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 CTTCTGCANGAATGGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-AUG-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ø
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/*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1998-240831/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mycobacterium sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (DAKO-) DAKO AS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-OCT-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-OCT-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-OCT-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-APR-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Stender H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAV31968;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV31968,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       $888888888888888888888888888888888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                      PCR primers AAX85603-04 were used to amplify DNA encoding a human growth CC factor designated zapol. Zapol is an angiopoietin homologue. The polypeptide is used to stimulate cell growth and tissue development. The polypeptides form multimeric proteins. Zapol has angiogenic or communitations to be used in assays for angiogenic activity. Zapol proteins can be used in assays for angiogenic activity. Zapol proteins may be used therapeutically to stimulate activity. Zapol proteins may be used therapeutically to stimulate construction of tissue. Specific applications include treatment of full-thickness skin wounds, including venous stasis ulcers and other chronic, non-healing wounds, including venous stasis ulcers and other constructive surgery, and establishment of vascular networks in transplanted cells and tissues. Zapol is also useful as a research agent, such as in the expansion of hematopoietic cells (including stem cells) and endothelial cells. The polypeptides are added to tissue culture media con the contract of the cells of the contract of the contract of the contract of the contract of the cells in the contract of the contract 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to identifying an individual who has altered risk for developing coronary stenosis comprising detecting a single nucleotide polymorphism (SNP) in any one of the 67073 nucleotide sequences (not aptwen in the specification), in the individual's nucleic acids, where the presence of the SNP is correlated with an altered risk for stenosis in the individual. Also included are an isolated nucleic acid molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Identifying an individual who has altered risk for developing stenosis comprises detecting single nucleotide polymorphism (SNP), in the individual's nucleic acids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; 88; PCR; primer; Allele specific primer; coronary stenosis; angina; ischaemic chest pain; myocardial infarction; sudden cardiac death; SNP; single nucleotide polymorphism.
                                     study and regulation of angiogenesis and for developing inhibitors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Allele specific primer A for human stenosis marker hCV25612495.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 15.4; DB 1; Length 18;
44.1%; Pred. No. 1.4e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Luke MM;
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Gaps

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Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                   This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, bioppy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; harmeribad ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                  / Match 0.9%; Score 15; DB 1; Length 15; Local Similarity 100.0%; Pred. No. 83; No. 85; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Macejak D, Mcswiggen J, Morrissey D,
Roberts E;
                                                                                                                                                                                                                                                       Sequence 15 BP; 3 A; 2 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HCV minus strand DNAzyme substrate sequence #737.
                                                                           Claim 22; Page 67; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-MAR-2001; 2001US-00817879.
08-UUN-2001; 2001US-00877478.
08-UUN-2001; 2001US-0296876P.
24-0CT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                       177 AAGGAAATTCAAAAT 191
                                                                                                                                                                                                                                                                                                                                                                      15 AAGGAAATTCAAAAT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD62818 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BLATT L.
MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PAVCO P.
LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ROBERTS E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200281494-A1.
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BLAT/)
(MACE/)
(MCSW/)
(MORR/)
(PAVC/)
(LEEP/)
(DRAP/)
(ROBE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACD62818;
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (RIBO-)
                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 220
ACD62818/c
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Pavco P,

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or the synthesis, expression and/or stability of Hepatitis C virus (HCV) or and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, and enzymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and g-cleaver ribozymes. Also disclosed transcriptase and/or HBV reverse transcriptase primer sequences, as well transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV or DNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds compounds and or necession and or necessarion and second and or necessarion and gene expression and as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,
                             Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Macejack D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             / Match 0.9%; Score 15; DB 1; Length 17; Local Similarity 100.0%; Pred. No. 1.3e+02; les 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pavco PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HCV DNAzyme substrate sequence #3014.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Roberts E,
                                                                                                       Claim 1; Page 288; 387pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-DEC-2000; 2000US-00740332.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-DEC-2000; 2000US-00740332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADI85768 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BLAT/) BLATT L.
(MCSW/) MCSRIGGEN J.
(ROBE/) ROBERTS E.
(RAVC/) PAVCO P A.
(MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-031273/03.
WPI; 2003-229207/22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003125270-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          33-JUL-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JUN-2004
                                                                        infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AD185768;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 221
ADI85768/c
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Gaps ; 0

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The present invention relates to a method for identifying a subject at risk of breast cancer. The method comprising detecting the presence or absence of one or more polymorphic variations associated with breast cancer in a nucleic acid sample from a subject. The nucleic acid sample comprises the Didi region (ADO79402), KIAA0783 region (ADO79403), DPF3 region (ADO79404) or CENPCI region (ADO79405). The gene DiGI (discs, large homolog I (Drosophila)) is also known as synapse-associated protein 97, hdlg or SAP97. Didi has been mapped to chromosomal position 3429. The gene KIAA0783 is also known as PHF14 and PHD finger protein 14. KIAA0783 has been mapped to chromosomal position 7p21.3. The KIAA0783 protein is a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Identifying a subject at risk of breast cancer by detecting the presence of polymorphic variations in the DLG1, KIAA0783, DPF3 or CENPC1 regions which are associated with breast cancer in a nucleic acid sample from a
                                                                                                                      The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cytostatic; Gene therapy; breast cancer; human; DLG1; KIAA0783; DPF3; CENPC1; SNP; single nuclectide polymorphism; PHF14; PHD finger protein 14; chromosome 7p21.3; zinc finger protein; transcription factor; extend; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15; DB 1; Length 17; Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0, Indels
especially in combination with type I interferon therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 4 A; 3 C; 8 G; 0 T; 2 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Sco...
100.0%; Pred. No. ...
0; Mismatches
                                                                     Claim 1; SEQ ID NO 3014; 198pp; English.
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24-JUL-2003; 2003US-0490234P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-NOV-2003; 2003WO-US037943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          766 TCCACGCCATGTTCC 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADO79635 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                KIAA0783 extend primer #27.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-AUG-2004
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novel gene with unknown function, however, being a zinc finger protein, it likely to be a transcription factor. The gene DPF3 (D4, zinc and double PhD fingers, family 3) is also known as CERD4, ce-d4, FLJ14079 and 2810403B03Rik. DFP3 is a Rho family guanine-nucleotide exchange factor. DPF3 has been mapped to chromosomal position 14g24.3-g31.1. The gene CENPCI (centromere protein (1) is also known as Centromere autoantience protein (21) is also known as Centromere d13.3. CENPCI is a centromere autoantien and a component of the inner kinetochore plate. The CENPCI protein is required for maintaining proper kinetochore size and a timely transition to anaphase. The method is useful for identifying a subject at risk of breast cancer, for early diagnosis, prevention and treatment of breast cancer, to analyze and predict a response to a breast cancer treatment, and in clinical drug predict a response to a breast cancer treatment, and in clinical drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The sequences given in AAQ35720-23 were used to generate an expression cassette for the insertion of the equine influenza virus (EIV) hemagglutinin (HA) (A1/Prague/56) into NYVAC and ALVAC recombinant vectors. The HA gene sequence was isolated from an EIV cDNA library and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cox WI;
                                                                                                                                                                                                                              predict a response to a breast cancer treatment, and in cimical diug
trials. The present sequence was used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Expression cassette; equine influenza virus; EIV; hemagglutinin; HA; Al/Prague/56; NYVAC; ALVAC; recombinant vector; PCR; amplify; pCPCV1; polymerase chain reaction; pRW764.2; H6 promoter; canarypox virus; Copenhagen vaccine; vaccinia virus; virulence factors; deletion loci;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Norton EK;
, Pincus SE,
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Limbach KJ, Johnson GP,
                                                                                                                                                                                                                                                                         Sequence 17 BP; 3 A; 6 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                           0.9%; Score 15; DB 1; Lv
100.0%; Pred. No. 1.38+02;
cive 0; Mismatches 0;
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91US-00713967.
92US-00847951.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ35721 standard; DNA; 18 BP
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                                                                                                                                                                                                                                                                                                                                                                                        438 AGTGGCTCAGGCCTG 452
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Perkus ME,
De Taisne C,
                                                                                                                                                                                                                                                                                                                                                      15; Conservative
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Gettig RR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (revised)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EIV primer EIVAIP7A.
                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      recipient loci; ss.
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06-MAR-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-MAR-2003
24-FEB-1993
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Francis J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mumps etc.
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1121 GCTGGAGCAGCTGAACGA 1138

18 GCAGGAGCAGCTGAAGGA

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was amplified by polymerase chain reaction. The amplified sequence was disserted into the linearised plasmid pRW764.2. The resultant plasmid was designated pcCV1 and contains the vaccinia virus H6 promoter followed by a polylinker region and flanked by canarypox virus homologous sequences. ALVAC is derived from a Copenhagen vaccine strain of vaccinia virus and ALVAC is derived from a canarypox virus which has been modified by deletion of non-essential regions of the genome encoding known or potential virulence factors. The deletion lot of both vectors were engineered as recipient loci for the insertion of forcing genes. See also AAQ35501-864. (Updated on 25-MAR-2003 to correct PN field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; IL-2 receptor g-chain; interleukin 2 receptor gamma chain; hammerhead ribozyme; hairpin ribozyme; substrate; expression; cancer; autocimmune disease; psoriasis; allergy; inflammatory disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.7e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 BP; 2 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse IL-2 receptor g-chain substrate position 51.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     222 CTCATAGAAAAAACAAAC 239
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                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 88.99
Marches 16; Conservative
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11D AAV950
XX AAV950
XX AAV950
XX Human;
XX H
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Single nucleotide polymorphism; SNP; single nucleotide primer extension; SNPE; genotyping; agammaglobulinaemia; diabetes insipidus; cancer; Lesch-Nyhan syndrome; muscular dystrophy; familial hypercholesterolaemia; polydystic kidney disease; osteogenesis imperfecta; autoimmune disease; acute intermittent porphyria; rheumatoid arthritis; multiple sclerosis; inflammation; forensic investigation; paternity analysis; PCR primer; ss.

SNP specific upper PCR primer SEQ ID 301

14-AUG-2001 (first entry)

AAH37505;

AAH37505 standard; DNA; 18 BP

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Sequences AAH37205 - AAH40944 represent PCR primers, single nucleotide correct of single nucleotide polymorphisms SNPs. The present invention includes kits for determining the presence or absence of a SNP, using the includes kits for determining the presence or absence of a SNP, using the oligonucleotides of the invention. The PCR primers are used to amplify a SNP final final for genotyping a mucleic acid sample by performing a single-nucleotide primer extension reaction. The oligonucleotides are useful for genotyping a nucleic acid sample by performing a single-nucleotide primer extension reaction. The oligonucleotides are useful for determining the presence, absence or identity of a SNP and for genotyping nucleic acid samples, for e.g. to assess by association analysis the genotype of an individual or group of individuals, having a pathological phenotypic trait suspected of being caused by one or more SNPs. Phenotypic trait suspected of being caused by one or more SNPs. Phenotypic trait is uspected of being caused by one or more SNPs. Phenotypic trait suspected of being caused by one or more SNPs. Phenotypic, traits include diseases e.g. to dystrophy, familial hypercholesterolaemia, polycystic kidney disease, categonesis inmerfects and acute intermittent porphyria. Phenotypic traits also include symptoms of or susceptibility to multifactorial diseases, including, theumatoid arthritis, multiple solerosis, crifiammation, cancer, nervous system diseases and infection by pathogenic mitty analysis. The present sequence represents a PCR primer specific for a human sub containing manalysis. The present sequence represents a PCR primer specific
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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88.9%; Pred. No. 1.7e+02;
ative 0; Mismatches 2; Indels
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Best Local Similarity 88.9
Matches 16, Conservative
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Gaps

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Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 1.7e+02; Matches 16; Conservative 0; Mismatches 2; Indels

Sequence 18 BP; 1 A; 8 C; 3 G; 0 T; 6 U; 0 Other;

The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA. AAV93889 to AAV94574 represent specifically claimed ribozymes, and AAV94675 to AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes can be used for the treatment off, e.g. graft rejection, autoimmune disease, cancer, psoriasis, allergy and other inflammatory conditions. The ribozymes are also used to induce tolerance in a recipient to alloantigen from a donor

New genotyping oligonucleotide, useful for detecting the presence, absence or identity of single polynucleotide polymorphism in a nucleic acid sample.

(ORCH-) ORCHID BIOSCIENCES INC.

WPI; 2001-290930/30 Picoult-Newburg L,

13-OCT-2000; 2000WO-US028436

15-OCT-1999;

WO200129262-A2. Homo sapiens

26-APR-2001

Claim 1; Page 51; 83pp; English

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The present invention describes a pharmaceutical composition comprising a nucleic acid (I) protein tyrosine phosphatase PTP10D, non-receptor concleic acid (I) protein tyrosine phosphatase PTP10D, non-receptor protein tyrosine kinase Tec, egg derived tyrosine phosphatase (EDTP) gene (Emily or encoded polypeptide, fragment or variant of nucleic acid molecule of PTP10D, Tec, or EDTP gene family or encoded composition can have antidiabetic, hypotensive, cardiant, antilipaemic, can be used in gene therapy. The composition is useful for the manufacture of an agent for detecting and/or verifying, for treating and can be used in agent for detecting and/or verifying, for treating and alloridates and seating disorder, including metabolic diseases cut as abesity and other body weight regulation disorders, as well as the astendiance and and sorder, including metabolic diseases companies, or coronary heart disease, hypercholastroclaemia, coronary heart disease, hypercholastroclaemia, coronary heart disease, hypercholastroclaemia, coronary heart disease, hyperclaemia, cancers of the reproductive organ), sleep apnea, and other diseases, in cells, cell reproductive organ), sleep apnea, and other diseases, in cells, cell reproductive organ), sleep apnea, and other diseases, in cells, cell also be used in controlling the function of a gene and/or gene product which is influenced and/or modified by a PTP10D, Tec, or EDTP homologous polypeptide, and for identifying substances capable of interacting with a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New compositions comprising tyrosine phosphatase PTP10D, protein tyrosine kinase Tec or egg-derived tyrosine phosphatase genes or proteins, useful for treating or preventing metabolic diseases, e.g. as obesity or cachexia.
                                                                                                                                                                                                                                                                                                                                       Tec; protein tyrosine kinase; protein tyrosine phosphatase; PTP10D; egg derived tyrosine phosphatase; EDTP; antidiabetic; hypotensive; cardiant; antilipaemic; osteopathic; cytostatic; anorectic; obesity; immunomodulator; gene therapy; metabolic disease; eating disorder; body weight regulation disorder; cachexia; diabetes mellitus; cancer; hyperension; occonary heart disease; hypercholesterolaemia; gallstone; dyslipidaemia; osteoarthitis; sleep apnea; mouse; PTPRB; protein tyrosine phosphatase receptor type B precursor; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Haeder T, Broenner G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (DEVE-) DEVELOGEN ENTWICKLUNGSBIOLOGISCHE FORSCH.
                                                                                                                                                                                                                                                                                                  Mouse PTPRB reverse PCR primer SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eulenberg K, Fritsch R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 4; Page 52; 83pp; English.
CCAAGTAACCAGGCCCCA 1509
                             CCAGGTGACCAGGCCCCA 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-DEC-2001; 2001EP-00128844.
07-DEC-2001; 2001EP-00129138.
02-JAN-2002; 2002EP-00000010.
                                                                                                                                                                 ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2002; 2002WO-EP013744
                                                                                                                                                              ACC79773 standard; DNA; 18
                                                                                                                                                                                                                                                         02-SEP-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-532801/50.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Meise M,
  1492
                                                                                                                                                                                                               ACC79773;
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                                                                                                                                             ACC7977
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The present invention relates to silicon-coated magnetic particles in which the silicon content is less than 20 wt. % of total. These can be used to isolate nucleic acids from body samples, especially serum, particularly for diagnostic detection of RNA from hepatitis C virus or HIV. The present sequence is a probe used to isolate RNA from hepatitis C virus virus from serum in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Silicon-coated magnetic particles, useful for purification of nucleic acid from body samples, do not need to be separated before quantification
                                                                                                                                                           ö
 οŧ
                                                        precursor
The nucleic acid molecule
PTP10D, Tec or EDTP homologous polypeptide. The nucleic acid molecule PTP10D, Tec, or EDTP family or their fragments, may be used in the preparation of a non-human animal which over- or under-expresses the PTP10D, Tec, or EDTP gene product. The present sequence represents a primer for mouse protein tyrosine phosphatase receptor type B precurs (PTPRB), which is used in an example from the present invention
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                     Silicon, silicon containing magnetic particle, superparamagnetic, silicon dioxide, nucleic acid isolation, probe, 88; HCV.
                                                                                                                                                              ö
                                                                                                                               Score 14.8; DB 1; Length 18;
Pred. No. 1.7e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 2 A; 11 C; 3 G; 1 T; 0 U; 1 Other;
                                                                                                    Sequence 18 BP; 3 A; 10 C; 1 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "modified by TAMRA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     note= "modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= b
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER
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                                                                                                                                                                                                                       1 creceaedecearcrices 18
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                                                                                                                                                                                                                                                                                             BP
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                                                                                                                                                                                                                                                                                                                                                                                Hepatitis C virus RNA probe.
                                                                                                                                     0.9%;
                                                                                                                                                                                            764 CTTCCACGCCATGTTCCA
                                                                                                                                                                                                                                                                                            ACF04428 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag= a
/mod base=
                                                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                  Local Similarity 88.9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                           ACF04428;
                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                    RESULT 227
                                                                                                                                                                    Matches
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DB 1; Length 18;

0.9%; Score 14.6;

Query Match

Сарв

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Arthritic condition, graft tolerance, immune response; target; cleavage; hammerhead ribozyme; halpin ribozyme; human; rabbit; mouse; collagenase; stromelysin; synovial membrane; joint; arthritis; osteoarthritis; rheumatoid arthritis; autoimmune disease; allergy; inflammation;
         ö
 93.3%; Pred. No. 1.8e+02;
tive 1; Mismatches 0; Indels
                                                                                                                          Rabbit stromelysin hammerhead target SEQ ID NO:536.
                                                                                                                                                                                                                                                    94US-00354920.
94US-0036323.
94US-00363254.
95US-00426124.
95US-00432874.
95US-000951P.
95US-000951P.
                                                                             ВР
                       1509 AGCCTCCAGGCCCCC 1523
                               AGCCTCCAGGMCCCC 15
                                                                            AAX63904 standard; RNA; 17
                                                                                                           (first entry)
        14; Conservative
                                                                                                                                                                                        Oryctolagus cuniculus.
Best Local Similarity
Matches 14; Conserv
                                                                                                                                                                         diagnosis; ss.
                                                                                                                                                                                                                                                    13-DEC-1994;
23-DEC-1994;
23-DEC-1994;
17-FEB-1995;
02-MAY-1995;
07-JUL-1995;
07-AUL-1995;
07-AUL-1995;
05-OCT-1995;
                                                                                                                                                                                                       WO9618736-A2
                                                                                                           20-JUL-1999
                                                                                                                                                                                                                                      22-NOV-1995;
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                                                                                             AAX63904;
                                                             RESULT 22
AAX63904/
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Stinchcomb DT, Jarvis T, Draper K, Pavco P; Gustofson J, Usman N, Wincott F, Matulic-Adamic J; Thompson JD, Modak A, Burgin A; WPI; 1996-300653/30. Beigelman L, Mcswiggen J, Karpeisky A,

95US-00541365

(RIBO-) RIBOZYME PHARM INC.

ŏ Enzymatic nucleic acid molecules having a hammer-head motif - used for the treatment of arthritis, induction of graft tolerance or treatment auto-immune diseases.

Example 1; Page 154; 307pp; English.

The present invention describes a novel enzymatic nucleic acid (ENA) having a hammerhead motif (HM) comprising: (i) at least 5 ribose residues ; (ii) a 2-C-allyl modification at position 4 of the ENA; (iii) at least ten 2'-O-methyl modification; and (iv) a 3'-end modification. The ENA's can inhibit collagenase and stromelysin production in the synovial membrane of joints for the treatment or prevention of arthritis, oparticularly osteoarthritis or rheumatoid arthritis. The ENA's can also be used to treat antigen presenting cells of a donor to induce tolerance in a recipient to an alloantigen of a donor. They can also be used for treating allergies and other inflammatory conditions. The ENA's can also be used in diagnosis. Ribozyme therapy impacts on the expression of a tromelysin without introducing the non-specific effects upon gene expression which accompany treatment with retinoids and dexamethasons. The concentration of ribozyme required to affect a therapeutic treatment

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                                                                                                                                                                                                                                                                                           Human, C-raf, A-raf, B-raf, hammerhead ribozyme, hairpin ribozyme;
target; substrate; catalyst; modulation; expression; Raf gene; delivery;
screening; identification; synthesis, deprotection; purification; cancer;
inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
is lower than that required of antisense molecules, and is highly specific. The present sequence is used in the exemplification of the present invention
                                                                                              ö
                                                                     Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K, Parry T, Beigelman L, Mcswiggen JA, Karpeisky A, Thompson J, Workman CT, Beaudry A, Sweedler D;
                                                  G; 0 T; 8 U; 0 Other
                                                                                                                                                                                                                                                                        Human B-raf substrate nucleotide position 1085.
                                                                                                                     1589 AAGAACAGAATTGCTC 1604
                                                                                                                                                                                                                                                                                                                                                                                                                                                           97US-0046059P.
97US-0049002P.
97US-0051718P.
97US-0051321P.
97US-0061321P.
97US-0061324P.
97US-0063224P.
                                                                                                                                                                                                     AAV93469 standard; RNA; 17 BP.
                                                 Sequence 17 BP; 4 A; 2 C; 3
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                                                                                                                                  AAGAACAGAATTTCTC
                                                                                                                                                                                                                                                  (first
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                                                                                                                                                                                                                                                                                                                                                                                                                                         05-MAY-1998;
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03-JUL-1997;
22-AUG-1997;
02-OCT-1997;
02-OCT-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                  12-NOV-1998
                                                                                                                                                                                                                            AAV93469;
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Identifying new catalytic nucleic acid that modulates selected processes - especially ribozymes that cleave Raf RNA for treating cancer, restences, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons. Claim 177; Page 168; 259pp; English.

WPI; 1999-009494/01.

A method has been developed for the identification of a nucleic acid capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endonuclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases

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Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NGO; hammerhead ribozyme; DNAzyme; inozyme; d-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; b.cell lymphoma; non-Hodgkin; lymphoma; NHL; lymphoma; leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; MC; immunocytoma; MC; immunocytoma; mC; immunocytoma; mC; immunocytoma; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACS with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of -raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity. ANY00922 to ANY03877 represent NACS that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                 Score 14.4; DB 1; Length 17;
Pred. No. 1.6e+02;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 4 A; 8 C; 1 G; 0 T; 4 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human NOGO Hammerhead Ribozyme #171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 88; Page 68; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      826 TCCACTTCCACAGCCC 841
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                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 UCCAAUUCCACAGCCC 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABK00171 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 75.0
nes 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J. (CHOW/) CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-607195/69.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABK00171;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABK00171/
IID ABK0
AC ABK0
AC ABK0
XXX ABK0
XXX ABK0
XXX BUMB
XXX MW MUMB
XXW MCLi,
XXW MCLi,
XXW MCLi,
XXX HOMC
XXX HOMC
XXX ABM
XX ABM
XX AB
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NAGOD). The nucleic acids (e.g. a ribozyme or a nucleic acids (e.g. a ribozyme or a nucleic acids and been enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids and norm motify motif), a d-cleaver (cleaving RNA with a NYM motif) proposessing an NCH motif), a d-cleaver (cleaving RNA with a NYM motif) proposessing an NCH motif), a d-cleaver (cleaving RNA with a NYM motif) proposessing an NCH motif), a d-cleaver (cleaving RNA with a NYM motif) proposessing an NCH motif) a d-cleaver (cleaving RNA with a NYM motif) proposessing an NCH motific acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA coff contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level coff CD20. The treatment may further comprise the use of one or more coff contact of NHL), bulky low-grade or follicular NHL, lymphocytic leukaemia, HIV (human immunodeficiancy virus) associated NHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma ö Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss. Gaps Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8352. ; 0 Query Match

0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels states which respond to the modulation of NOGO exp sequence is a hammerhead ribozyme of the invention Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other; 2001WO-US000661. 2001WO-US000662. 2001WO-US000663. 2001WO-US000664. 1619 TTCAATAAAACTGTCT 1634 BP. 25-MAY-2001; 2001WO-US016981 2000US-0236359P 2000GB-00024263 ABNO8360/c ID ABNO8360 standard; DNA; 17 29-MAY-2002 (first entry) 16 TTCATTAAAACTGTCT WO200192524-A2 04-OCT-2000; 2 30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2 Homo sapiens. 21-SEP-2000; 27-SEP-2000; 26-MAY-2000; 06-DEC-2001. ABN08360; RESULT 231 8

30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000666. 30-JAN-2001; 201WO-US000667. 30-JAN-2001; 2001WO-US000668. 30-JAN-2001; 2001WO-US000669. 30-JAN-2001; 2001WO-US000670.

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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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1109 CACCTCCTCCTTGCTG 1124
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                                                             17 CAGCTCCTCCTTGCTG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABN08675 standard; DNA; 17
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                                                                                                                                                                                                                                                                                                                                                                         RESULT 232
                                                                                                                                                                                                                                                                                                                                                                                                                                              ABNO8675

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be consed as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production associated with the expression of hGDMLP-1, in particular heart and skeleral muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed the succession of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO
                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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Hanzel DK,
                                                                                                                                 WPI; 2002-179446/23.
      Gu Y, Ji Y,
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 8667; 214pp; English.

Shannon ME;

Chen W,

Hanzel DK, Rank DR,

Gu Y, Ji Y, Penn SG, WPI; 2002-179446/23.

(AEOM-) AEOMICA INC.

26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000US-0024263.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.

Shannon ME;

Chen W,

Rank DR,

Penn SG,

(AEOM-) AEOMICA INC.

25-MAY-2001; 2001WO-US016981

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific ally recognise hGDMLP-1 proteins, as specifically of hGDMLP proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The production and invaccines or for replacement therapy. The production and invaccines encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed production, but was obtained in electronic format directly from MIPO
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Matches 15; Conservative
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Sequence 17 BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;

Query Match

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29-MAY-2002 (first entry)

ABN08361;

WO200192524-A2

06-DEC-2001

Homo sapiens

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10038.

(first entry)

29-MAY-2002

ABN10046;

BP

ABN10046 standard; DNA; 17

16 CAGCTCCTCCTTGCTG

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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8353.
                                                                                                                      26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-023468TP.
27-SEP-2000; 2000US-023468TP.
27-SEP-2000; 2000US-023468TP.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US0006663.
30-JAN-2001; 2001WO-US0006667.
30-JAN-2001; 2001WO-US0006667.
30-JAN-2001; 2001WO-US0006667.
30-JAN-2001; 2001WO-US0006667.
30-JAN-2001; 2001WO-US0006667.
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                                                                                                      25-MAY-2001; 2001WO-US016981
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                                                                      WO200192524-A2
                                                      Homo sapiens.
                                                                                       06-DEC-2001.
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The present invention describes a human genome-derived myosin-like concein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 con be used in gene therapy and vaccine production. The hGDMLP-1 concleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 conclein variants having desired phenotypic improvements, and for concentration to raise artibodies that specifically recognise hGDMLP concerns as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule concentration, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration is selected associated with the expression of hGDMLP-1 may be used for diagnosing a polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a concentration of the present sequence represents an oligomer used in the screening of the modell sequence in the expression of hGDMLP-1 in particular heart concentration, the esquence data for this patent did not form part of the printed captured as obtained in electronic format directly from WIPO specification, but was obtained in electronic format directly from WIPO captured. New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1. Shannon ME 0.9%; Score 14.4; DB 1; Length 17; 13.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels Chen W, Sequence 17 BP; 5 A; 3 C; 8 G; 1 T; 0 U; 0 Other; Rank DR, Disclosure; SEQ ID NO 8353; 214pp; English Hanzel DK, Ouery Match Best Local Similarity 93.8%; Matches 15; Conservative

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify chowide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotyptic improvements, and for protein variants having desired phenotyptic improvements, and for proteins to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be capture probes for surface-enhanced laser desorption ionisation, as and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as conduction, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The collapse sequences encoding hobMLP-1 may be used for diagnosing a production, and storders. hGDMLP-1 in particular heart capture probes the sequence represente an oligomer used in the screening of the The sequence data for this patent did not form part of the printed
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                                                                                                                                                                                                                                                                                       Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; 88.
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
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05-FEB-2001; 2001US-0266860P.
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27-SEP-2000;
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specification, but was obtained in electronic format directly from WIPO
at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                     Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                        Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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                                  Seguence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other;
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234359P.
04-OCT-2000; 2000US-0024539P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
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30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
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and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disporder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed The sequence data for this patent did not form part of the printed The sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed at ftp.wipo.int/pub/published_pct_sequence
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Pred. No. 1.6e+02;
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2011WO-US000661.
2011WO-US000663.
2011WO-US000664.
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2011WO-US000665.
2011WO-US000668.
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Best Local Similarity 93.8%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200192524-A2
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21-SEP-2000;
27-SEP-2000;
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
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30-JAN-2001;
30-JAN-2001;
05-FEB-2001;
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cacide cacide can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description infisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines of for replacement therapy. The disorder associated with the expression of hGDMLP-1, in paticular heart disorders associated with the expression of hGDMLP-1, in paticular heart can be seen to be a sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N B. The sequence data for this patent did not form part of the printed of the present directly from WIPO the present directly and sequence in the exemplification of the present directly from WIPO the present directly and seasons as a potaline of the present directly from wIPO the present directly and seasons as a present and the pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        wnv, west Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNazyme; Amberzyme; Zinzyme; 89.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 10037; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCCGCATCGTCCACAG 2
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nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen JA;
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-706994/76.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACN07604;
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            %X888888888888888888888888888888888
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis,
                               The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encopalitis, mycarditis, meningitis, neurologic infection, hepaticis, encephalitis, mycarditis, meningitis, neurologic infection, hepaticis, molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-Cleaver, DNAxyme, haberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least then 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a least three of the 5' terminal nuclectides and a 3' end modification of a last three specification of the present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WNV; West Nile Virus; antinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14.4; DB 1; Length 17; 75.0%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WNV minus strand Inozyme substrate SEQ ID NO 9978.
                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 7 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                     3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 23; SEQ ID NO 9978; 495pp; English.
       Claim 23; SEQ ID NO 7607; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                          1234 CGGACGTTCCTTCCGG 1249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACN09975 standard; RNA; 17 BP.
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1 CGGACGUUCCAUCCGG 16
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                                                                                                                                                                                                                                                                                             molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 75.0
Matches 12, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Blatt L, Mcswiggen JA;
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 238
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are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention

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Gaps

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Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.9%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels

1104 CTCAACACCTCCTCT 1119

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17 CTCGACACCTCCTCCT

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Seguence 17 BP; 4 A; 2 C; 9 G; 0 T; 2 U; 0 Other;

88668

SSSSSSSSSS

liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleocides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 11502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention Gaps WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; ö Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 68.8%; Pred. No. 1.6e+02; les 11; Conservative 4; Mismatches 1; Indel8 Sequence 17 BP; 2 A; 9 C; 2 G; 0 T; 4 U; 0 Other; WNV Amberzyme substrate SEQ ID NO 7056. 1104 CTCAACACCTCCTCT 1119 BP. 19-OCT-2001; 2001WO-US048350 ACN07053 standard; RNA; 17 |:| |||||:||:||: cucgacaccuccuccu (first entry) Amberzyme; Zinzyme; ss West Nile Virus WO200268637-A2 22-APR-2004 06-SEP-2002. ACN07053; Query Match RESULT 23
ACNO7053/
ACNO705/
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wnv, west Nile Virus, antiinflammatory, cytostatic, hepatotropic, vinucide, neuroprotective, antibacerial; replication, panoreatitis, encephalitis, myocarditis, meningitis, infection, hepatitis, liver failure, cancer, cirrhosis, Hammerhead, Inozyme, DNAzyme,

Amberzyme; Zinzyme; ss

West Nile Virus WO200268637-A2. 06-SEP-2002 19-OCT-2001; 2001WO-US048350 20-OCT-2000; 2000US-0242411P

WNV Amberzyme substrate SEQ ID NO 7196.

22-APR-2004 (first entry)

ACN07193;

BP

ACN07193 standard; RNA; 17

RESULT 240 ACN07193/c

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatis; liver failure, hepatocaliular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEO ID NO 1 to 37080 are claimed; however, SEO ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis. Sequence 17 BP; 3 A; 5 C; 7 G; 0 T; 2 U; 0 Other; Claim 23; SEQ ID NO 7196; 495pp; English. of the invention Mcswiggen JA; (RIBO-) RIBOZYME PHARM BLATT L. MCSWIGGEN J A. WPI; 2002-706994/76. Blatt L, (BLAT/) | (MCSW/) |

0.9%; Score 14.4; DB 1; Length 17;

The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, wrocarditis, meningits, nucrologic infection, hepatitis, nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleocides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080

New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.

20-OCT-2000; 2000US-0242411P

(RIBO-) RIBOZYME PHARM INC.

Blatt L, Mcswiggen JA;

WPI; 2002-706994/76.

(MCSW/) MCSWIGGEN J A.

(BLAT/)

Claim 23; SEQ ID NO 7056; 495pp; English.

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ACN07603
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WAV). The nucleic acid molecules are useful for treating a condition related to WAV infection e.g. pancreatitis, common myocarditis, meningitis, neurologic infection, hepatitis, comparabilitis, molecule is selected from the group of ribozymes consisting of molecule is selected from the group of ribozymes consisting of molecule acid molecules further comprise at least five ribose residues, conclair acid molecules further comprise at least five ribose residues, conclair acid molecules further comprise at least five ribose residues, conclair acid molecules and a 3' end modification of a 3'.3' inverted abasic molecy. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
            Gaps
                                                                                                                                                                                                                        WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; ive 0; Mismatches 1; Indels
93.8%; Pred. No. 1.6e+02;
iive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 4 A; 1 C; 10 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 23; SEQ ID NO 4503; 495pp; English
                                                                                                                                                                                                   WNV Zinzyme substrate SEQ ID NO 4503.
                                     1234 CGGACGTTCCTTCCGG 1249
                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                           19-OCT-2001; 2001WO-US048350
                                                      (RIBO-) RIBOZYME PHARM INC.
                                                                                                                           ACN04500 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.8'
                                                                                                                                                                          22-APR-2004 (first entry)
               15; Conservative
                                                                                                                                                                                                                                                                             Amberzyme; Zinzyme; ss.
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-706994/76.
   Best Local Similarity
                                                                                                                                                                                                                                                                                                    West Nile Virus.
                                                                                                                                                                                                                                                                                                                             WO200268637-A2.
                                                                                                                                                                                                                                                                                                                                                     06-SEP-2002.
                                                                                                                                                    ACN04500;
                                                                                                  RESULT 241
ACN04500/c
               Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                               WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                 WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 7606.
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 1.6e+02;
Matches 12; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 6 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 23; SEQ ID NO 7606; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1234 CGGACGTTCCTTCCGG 1249
ACN07603 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CGGACGUUCCAUCCGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-OCT-2001; 2001WO-US048350.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABT38885 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC.
(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                        Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             West Nile Virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200268637-A2.
                                                                                                                                      22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-SEP-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABT38885
                                                                        ACN07603;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 243
ABT38885/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BXXX
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Gaps

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1104 CTCAACACCTCCTCT 1119 ||| ||||||||||| 16 CTCGACACCTCCTCT 1

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Human MDZ3 scanning oligonucleotide SEQ ID 1452.

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Cytostatic; virucide, neuroprotective, nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schlzophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                      New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                 Tumour suppression related human fukutin oligo SEQ ID No 4522.
                                                                                                                                                                                                                                                                              Disclosure; Page 562; 720pp; French.
                                                                                                                                                                                                   Tuijnder M;
                                                                                                                                                                                (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                           17-SEP-2002; 2002WO-IB004208.
                                                                                                                                                            17-SEP-2001; 2001FR-00011978.
12-JUN-2003 (first entry)
                                                                                                                                                                                                   relerman A, Amson R,
                                                                                                                                                                                                                     WPI; 2003-313353/30.
                                                                                                      WO2003025175-A2
                                                                                    Homo sapiens
                                                                                                                         27-MAR-2003
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic caids of the invention are useful as probes and primers for detecting, dentifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, concornent of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, colls containing the nucleic and and/or treatment of viral corporation, specifically cancer but also Alzheimer's disease and diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell cates are useful for disponents and/or prognosis of these chizophrenia. Analysis of the expression of the 17 mer nucleic acids in gene chips. The polypeptides are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression crelated human fukutin oligonucleotide of the invention

Sequence 17 BP; 2 A; 6 C; 2 G; 7 T; 0 U; 0 Other;

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Gaps
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Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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ADB00466 standard; DNA; 17
                                                        (first entry)
                                                        20-NOV-2003
                                     ADB00466;
RESULT 244
        ADB00466/c
1D ADB00
XX
AC ADB00
XX
DT 20-NC
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Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.

Homo sapiens

Human MDZ3 scanning oligonucleotide SEQ ID 1450.

20-NOV-2003 (first entry)

ADB00464;

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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is concoded at chromosome 6p12.3-22.2, MDZ7 is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p12.2 and MDZ12 is encoded at chromosome 16p2.1. The MDZ3, MDZ4, MDZ7, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12, encoded or increased expression of diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids an also be used as probes to detect and characterize gross atterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as two probes are useful as therapeutic agents for gene therapy or as a vaccines. The present sequence was used to illustrate the invention.
                     Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MD23; MD24; MD27; MD212; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                               New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 6 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 8; SEQ ID NO 1452; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                943
                                                                                                                                                                                                                                           30-JUL-2002; 2002EP-00016874
                                                                                                                                                                                                                                                                                 02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                            Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCTGCCTGCGGCTGAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADB00464 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                928 GCTGCCTGCGGATGAA
                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-423107/40.
                                                                                                                                                                                                                                                                                                                      (AEOM-) AEOMICA INC
                                                                                                                              Homo sapiens.
                                                                                                                                                                  EP1281758-A2.
                                                                                                                                                                                                       05-FEB-2003
                                                                                                                                                                                                                                                                                                                                                            Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immundeficiatory virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ65531, ABZ65531, ABZ66524, ABZ65530 - ABZ65585 represent substrate/target sequences for the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-daavar ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
                                                                                                                                                                              Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 1 A; 5 C; 9 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HCV DNAzyme substrate sequence #1543.
                                                                                                                                                                                                                                                                                   Claim 58; Page 116; 185pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1522
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08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2001; 2001US-00817879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAR-2002; 2002WO-US009187
10-SEP-2001; 2001US-0318471P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIBOZYME PHARM INC.
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD59853 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ribozymes of the invention
                                                 (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 CCAGCCTGCAGGCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1507 CCAGCCTCCAGGCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 93.8
nes 15; Conservative
                                                                                                                                            WPI; 2003-140484/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200281494-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-0CT-2002
                                                                                                  Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACD59853;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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(BLAT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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       ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is proteins and their coding sequences: MDZ3, MDZ4, MDZ7. MDZ12. MDZ3. Encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p2. MDZ4, MDZ4, MDZ4, MDZ4, MDZ4, MDZ4, MDZ4, MDZ3, and MDZ12 sequences are useful in therapy, or manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ12. The nucleic acids can also be useful for diagnosing or monitoring a disease caused by altered as probes to detect and characterize gross are also mDZ3, MDZ4, MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as contines. The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                           New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
anti-rheumatic; cancer; AIDS; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 6 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 8; SEQ ID NO 1450; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human H-Ras DNAzyme target #270.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABZ61479 standard; RNA; 17 BP.
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06-JUN-2001; 2001US-0296249P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTGCCTGCGGATGAAG 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       creccrececrease 2
                                                                                                                                    30-JUL-2002; 2002EP-00016874
                                                                                                                                                                                 02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                         Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-MAR-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                        WPI; 2003-423107/40.
                                                                                                                                                                                                                                (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                            Gu Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200297114-A2
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                                         EP1281758-A2
                                                                                        05-FEB-2003.
                                                                                                                                                                                                                                                                                 Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABZ61479;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                929
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RESULT 246

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Gaps

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26-MAR-2002; 2002WO-US009187

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymes, amberzymes, auch as hammerhead ribozymes. DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV COMPOUNDS and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies disclosed is a method for screening compounds and/or potential therapies disclosed is a method for screening compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV infection or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                  Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus infection.
                                                                                                                                                                   Lee P;
                                                                                                                                                                   Д,
                                                                                                                                                                   Mcswiggen J, Morrissey D, Pavco
                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 261; 387pp; English.
                                                                                                                                                               Blatt L, Macejak D,
Draper K, Roberts E;
                 (MCSW/) MCSWIGGEN J.
(MORR/) MORRISSEY D.
(PAVC/) PAVCO P.
(LEEP/) LEE P.
(DRAP/) DRAPER K.
(ROBE/) ROBERTS E.
                                                                                                                                                                                                                               WPI; 2003-229207/22
MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            invention
(MACE/)
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Gaps ö 0.9%; Score 14.4; DB 1; Length 17; 75.0%; Pred. No. 1.6e+02; tive 3; Mismatches 1; Indels Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other; Local Similarity 75.0 nes 12; Conservative Query Match

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HBV zinzyme substrate sequence #90. ACD53920 standard; RNA; 17 BP 24-SEP-2003 (first entry) ACD53920; RESULT 248 ACD53920, ઠે

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Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.

Hepatitis B virus WO200281494-A1 17-0CT-2002

cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis;

Tumour suppression/reversion associated nucleotide #3944.

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The present invention relates to nucleic acid molecules which modulate
the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
the synthesis, expression and/or stability of Hepatitis C virus (HCV) or
are nucleic acids such as hammerhead ribozymes, DNAzymes,
and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes,
inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed
c are nucleic acids decoy molecules and aptemers that bind to HBV reverse
c transcriptase and/or HBV reverse transcriptase primer sequences, as well
as oligonucleotides that specifically bind the Enhancer I region of HBV
CDNA. The nucleic acids may be used to modulate the expression of HBV
COMPOUNDS and MGV potential therapies directed against HBV, and compounds
compounds and/or potential therapies directed against HBV, and compounds
compounds and/or potential therapies directed against HBV, and compounds
compounds and/or potential therapies directed against HBV, and compounds
c methods of the invention are useful for the treatment of degenerative and
c disease states related to HBV and HCV infection, replication and gene
c expression such as cirrhosis, liver failure, and hepatocallular
c arcinoma. The present sequence represents a substrate for one of the HBV
c inboxyme, inozyme, zinozyme, DNAzyme or amberzyme sequences
                                                                                                                                                                                                                                                                                                                                                                                                   Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
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                                                                                                                                                                                                                                                                                                                 Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                 Mcswiggen J, Morrissey D,
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                                                             08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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(first entry)
                                                                                                                                                RIBOZYME PHARM
                                                                                                                                                                                                                                                                                                                 Blatt L, Macejak D,
Draper K, Roberts E;
                                                                                                                                                                            MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-229207/22
                                                                                                                                                                                                                                             LEE P.
DRAPER K.
ROBERTS E.
                                                                                                                                                            BLATT L.
                                             26-MAR-2001;
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04-DEC-2003
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(PAVC/)
(LEEP/)
(DRAP/)
                                                                                                                                                              (BLAT/)
(MACE/)
                                                                                                                                                                                                                                                                                 ROBE/)
                                                                                                                                                RIBO-)
                                                                                                                                                                                               (MCSM/)
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17-APR-2003
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(UYMU-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2-0CT-
                                                                                                                                                                                                                                                                                                                                                                                                                                       disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the the nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro identifying, quantifying and/or amplifying nucleic acids, as in vitro identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies (A) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid encoding human prostate membrane-specific antigen, ful e.g. for treatment of tumors and viral infection, also related ypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          expression vector; anorectic; antiarteriosclerotic; cardiant; antidiabetic; elevated cholesterol; elevated lipid; adipogenesis; obsisty; athersclerosis; diabetes mellitus; coronary artery heart disease; cholesterol homeostasis; ss; differntial expression.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.4; DB 1; Length 17;
33.8%; Pred. No. 1.6e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cholesterol homeostasis/adipogenesis related DNA seq id 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 7 A; 2 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 493; 771pp; French
                                                                                                                                                                                                                                                                                                                                                     Tuijnder M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADE30979 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      expression of the nucleotides
                                                                                                                                                                                                                                                                                                      (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-SEP-2002; 2002WO-IB004219.
                                                                                                                                                                                                                                                        17-SEP-2001; 2001FR-00011981.
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                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-441574/41.
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                                                                                                                       WO2003040369-A2.
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                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      useful e.g.
polypeptide
                                                                                                                                                                    15-MAY-2003
                            diagnosis.
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         virus
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                                                                                                                                                                                                                                                                                                                                                                                                                Polynucleotides differentially regulated in response to cholesterol and adipogenesis are useful to detect and treat associated conditions such as obesity, athersclerosis, diabetes mellitus and coronary artery heart
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 5 A; 9 C; 1 G; 2 T; 0 U; 0 Other;
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(UYBO-) UNIV BORDEAUX 2 SEGALEN VICTOR.
(UYMU-) UNIV TECH MUENCHEN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 8; SEQ ID NO 366; 59pp; English.
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2002US-0347351P
                                                                                                                                                                                                                                           (LYNX-) LYNX THERAPEUTICS INC
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                                                                                                                 08-JAN-2003; 2003US-00339793.
                                                                                                                                                                              09-JAN-2002; 2002US-0347286P.
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                         Shang J, Bowen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003031608-A2.
US2003180764-A1
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10828394-1_1-1643.rng.sl
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The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase activity by N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino) -phenyl)-4-(4-methyl-piperazin-1-ylmethyl)-benzamide, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine kinase activity of such polypeptides. Polymucleotide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the diagnosis of leukaemias. The mutant polypeptides are also useful in the diagnosis of the present invention
                                                                                                                                                                        New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and for diagnosing leukemias.
                                                                                Hochhaus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human Phe311Leu mutant Abl kinase, allele specific PCR primer F311C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; Abl kinase domain; tyrosine kinase activity; leukaemia;
N-(4-methyl-3-(4-pyridin-3-yl-pyrimidin-2-ylamino)-phenyl)-4-;
(4-methyl-piperazin-1-ylmethyl)-benzamide; PCR; primer; ss.
                                                                            Barthe C, Branford S, Corbin A, Druker BJ, Duyster J, Hoci
Hughes T, Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Peschel C, Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1.6e+02; les 15; Conservative 0; Mismatches 1. Trana
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 9 C; 5 G; 1 T; 0 U; 0 Other;
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UNIV BORDEAUX 2 SEGALEN VICTOR.

UNIV TECH MUENCHEN.

UNIV OREGON HEALTH SCI.

UNIV HEIDELBERG.

CHRU LILLE.

MEDVET SCI FTY LTD.
                                                                                                                                                                                                                                           Example 6; Page 34; 57pp; English.
(UYOR-) UNIV OREGON HEALTH SCI
(UTHE) UNIV HEIDELBERG.
(CHRU-) CHRU LILLE.
(MEDV-) MEDVET SCI PTY LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CACCCGGGAGCCCCAG 650
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12-OCT-2001; 2001US-0328740P.
11-JAN-2002; 2002US-0347351P.
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                                                                                                                                          WPI; 2003-363366/34.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       635
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(UYMU-) U
(UYOR-) L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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(CHRU-)
(MEDV-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 252
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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                                                                                                                                                                                                 The present invention relates to mutated human Abl kinase domains that are functional and resistant to inhibition of their tyrosine kinase activity by N-(4-methyl-3-(4-pyridin-3-y-pyrimidin-2-y-phanino) -phenyl)-4-(4-methyl-piperazin-1-ylmethyl)-benzamide, or its salt. The mutant Abl polypeptides are useful in screening for compounds that inhibit the tyrosine kinase activity of such polypeptides. Polymuclectide sequences encoding the mutant polypeptides are useful for the production of the mutant polypeptides are useful for the production of the diagnosis of leukaemias. The present sequence represents a PCR primer used in the examples of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New device comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid matrix, and an isolation layer, useful for storing and analyzing a nucleic acid containing moiety.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DNA storage, DNA analysis, virus identification; bacteria identification; reverse transcriptase; RT-PCR; primer; 88; HP6.
                                                                                                      New isolated polypeptide having mutated native human Abl kinase domains, useful for screening compounds that inhibit tyrosine kinase activity and
             Hochhaus A;
                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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         Branford S, Corbin A, Druker BJ, Duyster J, Hoc
Kreil S, Leguay T, Mahon F, Marit G, Mueller M;
Preudhomme C, Roche Lestienne C, Rudzki Z;
                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 2 A; 10 C; 5 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                       Example 6; Page 34; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              635 CACCCGGGAGCCCCAG 650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 CACCCGGGAGCCCCCG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-NOV-2002; 2002US-00298255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-NOV-2001; 2001US-0336005P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL18587 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.99
Best Local Similarity 93.8
Matches 15, Conservative
                                                                                                                                         For diagnosing leukemias.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-843261/78.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (WHAT-) WHATMAN INC
                                                                        WPI; 2003-363366/34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RT-PCR primer HP6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003134312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Burgoyne LA;
             Barthe C, B
Hughes T, K
Peschel C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL18587;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL18587
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The invention relates to a device for storage and analysis of a nucleic acid containing a moiety in a biological sample, comprising a filter layer comprising a dry solid medium comprising a hydrophilic solid

Example 1; SEQ ID NO 4; 14pp; English

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matrix, and an isolation layer comprising a dry solid medium comprising a neutral solid matrix attached to a composition comprising a detergent. Storing and analysing a nucleic acid containing a motety in a biological sample comprises applying a biological sample to the filter layer. It is the components of the biological sample through the filter layer layer to the isolation layer, retaining the nucleic acid components in the isolation layer while removing the nornucleic acid components in the isolation layer, providing a primer and analysing the nucleic acid components using at least one primer. The device and method are useful for storing and analysing a nucleic acid containing a moiety in a biological sample. They are also useful for identifying known or unknown virions or bacteria contained in a fluid. This sequence represents a reverse transcriptase PCR (RT-PCR) primer used in the scope of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       virus and comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       specifically cleaving RNA derived from hepatitis B virus and comprisin
one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNAzymes and inozymes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; hepatitis B virus infection; hepatitis; hepatocellular carcinoma; cirrhosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotropic; antiinflammatory; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to an enzymatic nucleic acid molecule that
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                                                                                                                                                                                                                                                                                         0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis B virus (HBV) RNA target sequence #1745.
                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 10 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel enzymatic nucleic acid molecule such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 1745; 122pp; English.
                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        92US-00882712.
94US-00193627.
99US-00436430.
                                                                                                                                                                                                                                                                                                                                                                1508 CAGCCTCCAGGCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADMS9611 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-00636385.
24-OCT-2000; 2000US-00696347.
08-JUN-2001; 2001US-00877478.
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                                                                                                                                                                                                                                                                                                                                                                                     CAGCCTCCAGGACCCC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                Best Local Similarity 93.8
Matches 15, Conservative
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MCSWIGGEN J A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-247781/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN
(MORR/) MORRISSEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (DRAP/) DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hepatitis B virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-FEB-1994;
08-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAY-1992;
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                                                                                                                                                                                                                                    invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADM59611;
                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 254
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specifically cleaves RNA derived from hepatitis B virus (HBV) and comprising one or more binding arms, without requiring the presence of a 2.-OH group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, thepaticis, combination with other therapies and liver failure, either alone or in combination with other therapies such as lamivadine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of a cell, for the study of RNA and for down-regulating gene expression of sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this parent is also available in electronic format from USPFO at sequence.used.html.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                               Score 14.4; DB 1; Length 17; Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 0 C; 11 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HCV DNAzyme substrate sequence #1543.
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                                                                                                                                                                                                                                                                                                                                                                          1519 CCCCCAACTCCGCCCA 1534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADI84297 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                        0.98;
                                                                                                                                                                                                                                                                                                                       93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                 16 CCCCAACTCCTCCCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                        Query Match 0.9°
Best Local Similarity 93.8
Matches 15; Conservative
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-031273/03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis C virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AD184297;
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(MACE/)
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Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                              Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                      Human GDMLP-1 probe SEQ ID NO:8665.
                                                                                                                                                                                                                                                                                                                                            30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    2001WO-US000668.
2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
2001US-00866108.
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                                                                                                                                                                                                                                                                                                                               2000GB-00024263
                                            (first entry)
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HANZEL D K.
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CHEN W.
                                                                                                                                                                                             US2004137589-A1
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05-FEB-2001;
25-MAY-2001;
                                                                                                                                                                                                                                                                                                    21-SEP-2000; 27-SEP-2000; 204-OCT-2000; 2
                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                      26-MAY-2000;
                                          02-DEC-2004
                                                                                                                                                                                                                          15-JUL-2004
              ACN71763;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (RANK/)
(CHEN/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HANZ/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                           Gaps
                                                                                                                                                                                                                                                                                                                   enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; infection; type I interferon; DNAzyme.
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                            Length 17;
                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Roberts E, Pavco PA, Macejack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 3 A; 5 C; 7 G; 0 T; 2 U; 0 Other;
   Sequence 17 BP; 2 A; 7 C; 4 G; 0 T; 4 U; 0 Other;
                             0.9%; Score 14.4; DB 1; 75.0%; Pred. No. 1.6e+02; tive 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      claim 1; SEQ ID NO 3013; 198pp; English
                                                                                                                                                                                                                                                                                         DNAzyme substrate sequence #3013.
                                                                                                                                                                                                ВР
                                                                                         768 CACGCCATGTTCCAGC 783
                                                                                                         1 CACGCCAUGUUCCGGC 16
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                                                                                                                                                                                                 ADI85767 standard; RNA; 17
                                                                                                                                                                                                                                                        03-JUN-2004 (first entry)
                             Query Match 0.99
Best Local Similarity 75.0°
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Blatt L, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BLATT L.
MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-031273/03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (PAVC/) PAVCO P A. (MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus
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                                                                                                                                                                                                                               AD185767;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (BLAT/) E
(MCSW/) N
(ROBE/) F
                                                                                                                                                                     RESULT 256
ADI85767/c
                                                                                                                                                                                                                                                                                         HCV
                                                                                                                                                                                                                                                                                                                           88;
HCV
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of preventing a disorder associated with decreased expression or activity of The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
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0
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 1.6e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
Disclosure; SEQ ID NO 8665; Opp; English.
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Gaps

.. 0

768 CACGCCATGTTCCAGC 783

CACGCCATGTTCCGGC

16

g

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ACN71763 standard; DNA; 17

RESULT 257 ACN71763 ID ACN7 . . .

Shannon ME

Chen W,

Rank D,

Hanzel DK,

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Gaps

.. 0

1; Indels Length

17;

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Human, 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
invention for scanning the sequence represented in ACN63103
                      Sequence 17 BP; 2 A; 4 C; 8 G; 3 T; 0 U; 0 Other
                                            0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.6e+02;
iive 0; Mismatches 1;
                                                                                                                                                                                                                                                Human GDMLP-1 probe SEQ ID NO:10037
                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
20-JAN-2001; 2001WO-US000669.
20-JAN-2001; 2001WO-US000669.
                                                                                           730
                                                                                                                                                                           BP.
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                                                                                                                                                                           ACN73135 standard; DNA; 17
                                                                                                                                                                                                                          (first entry)
                                                                                          715 CCCGCATCGTCCGCAG
                                                                                                                 16 cccccarcarcacad
                                       Query Match
Best Local Similarity 93.8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-533378/51.
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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27-SEP-2000;
04-OCT-2000;
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ACN73135/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                              Human, ss; probe, myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist, hGDMLP inhibitor; heart disorder;
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                                                                                                                                                       Human GDMLP-1 probe SEQ ID NO:10038
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234587P.
04-0CT-2000; 2000US-0236359P.
05-JAN-2001; 2001WO-US000661.
05-JAN-2001; 2001WO-US000663.
05-JAN-2001; 2001WO-US000663.
05-JAN-2001; 2001WO-US000666.
05-JAN-2001; 2001WO-US000666.
05-JAN-2001; 2001WO-US000667.
05-JAN-2001; 2001WO-US000667.
05-JEB-2001; 2001WO-US000669.
05-FEB-2001; 2001WS-US000669.
                                                                                   ВР
               26-NOV-2003; 2003US-00723361
                                                                                   ACN73136 standard; DNA; 17
                                                                                                                                02-DEC-2004 (first entry)
   GAAGCCAAGAAGAGA
                                                                                                                                                                                           hGDMLP-1 agonist hGDMLP a
skeletal muscle function.
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HANZEL D K.
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CHEN W.
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                                                                                                          ACN73136;
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                                                                         ACN73136/
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Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
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Shannon ME
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Chen
Rank D,
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Hanzel DK,
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defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and acks identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hoDMLP-1, or as an inhibitor of hoDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
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hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                        0.9%; Score 14.4; DB 1; Length 17; 33.8%; Pred. No. 1.6e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                  invention for scanning the sequence represented in ACN63103
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                                                                                                                                                                                                                                                                                       Sequence 17 BP; 2 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
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30-JAN-2001; 2001W0-US000662.
30-JAN-2001; 2001W0-US000663.
30-JAN-2001; 2001W0-US000664.
30-JAN-2001; 2001W0-US000666.
30-JAN-2001; 2001W0-US000666.
30-JAN-2001; 2001W0-US000669.
30-JAN-2001; 2001W0-US000669.
30-JAN-2001; 2001W0-US000669.
30-JAN-2001; 2001W0-US000669.
30-JAN-2001; 2001W0-US000669.
25-MAY-2001; 2001US-0266860P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            715 CCCGCATCGTCCGCAG 730
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2000US-0236359P.
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Best Local Similarity 93.8<sup>3</sup>
""rhes 15; Conservative
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skeletal muscle function.
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HANZEL D K.
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CHEN W.
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27-SEP-2000;
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(CHEN/) G
(SHAN/) 9
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(PENN/)
(HANZ/)
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                                                                            The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of 651, 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A preventing a disorder associated with decreased expression or activity of preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                        Sequence 17 BP; 5 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                          0; Mismatches
                                                     Disclosure; SEQ ID NO 8352; Opp; English
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2000US-0234687P.
2000US-0236359P.
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2001US-0266860P.
2001US-00866108.
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2001WO-US000661
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2001WO-US000665
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2001WO-US000668
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Best Local Similarity 93.8%;
Matches 15; Conservative
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JI Y.
PENN S G.
HANZEL D F
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30-JAN-2001;
05-FEB-2001;
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04-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        ACN71451;
                                function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (JIYY/)
(PENN/)
(HANZ/)
(RANK/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GUYY/)
                                                                                                                                                                                                                                                                                                                                                                                       RESULT 261
                                                                                                                                                                                                                                                                                                                                                                                                     ACN71451/c
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05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-00866108.
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                                                                                                                                                                                          function.
                                                                      (RANK/) (CHEN/) (SHAN/)
                                        (JIYY/)
(PENN/)
(HANZ/)
                              (duxx/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 263
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                                                                                                                                              The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                       Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; 89; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                     Gaps
                                  Shannon ME;
                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                      f match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1.6e+02; les 15; Conservative n. winner.
                                                                                                                                                                                                                                                       invention for scanning the sequence represented in ACN63103
                                 Chen W,
                                                                                                                                                                                                                                                                           Sequence 17 BP; 5 A; 3 C; 8 G; 1 T; 0 U; 0 Other;
                                  Hanzel DK, Rank D,
                                                                                                                             Disclosure; SEQ ID NO 8353; Opp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human GDMLP-1 probe SEQ ID NO:8667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000668.
                                                                                                                                                                                                                                                                                                                                            1109 CACCTCCTCCTTGCTG 1124
                                                                                                                                                                                                                                                                                                                                                                                                                    BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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                                                                                                                                                                                                                                                                                                                                                       CAGCTCCTCCTTGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                    ACN71765 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                    Gu Y, Ji Y, Penn SG,
    (CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                        WPI; 2004-533378/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2004137589-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
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30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-DEC-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                         ACN71765
                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                RESULT 262
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 958 deviation from (SI) which are conservative substitutions, and 658 identity to (SI). A polypeptide of the invention acts as a agonist antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                     Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR primer to generate probe flanking the sCos-1 T7 promoter site.
                                                                                                                                                                       Shannon ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                             Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 9 A; 2 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                             Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 8667; Opp; English.
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                                                                                                                                                                             Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ80949/c
ID AAQ80949 standard; DNA; 18 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            274 AAGCCAAGAAGAA 289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93US-00078471.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 AAGCCAAGAAGGAGAA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                Gu Y, Ji Y, Penn SG,
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                                                                                                                                                                                                                                      WPI; 2004-533378/51.
                                                                                                                       SHANNON M E.
PENN S G.
HANZEL D K.
                                                           RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUN-1994;
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24-AUG-1995
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10828394-1_1-1643.rng.sl

Sequencing complex genomes, present as fragments in a cosmid library - b sequencing end specific nucleotides of each clone then correlating with spatial relationship of cosmid, esp. for mammalian chromosomes. Example 3; Page 44; 128pp; English WPI; 1995-036508/05

In a sequence-sample mapping procedure using a Giardia lamblia 20-genome equivalent cosmid library, each end of the genomic insert in a cosmid was detected as a vector/genomic chimera by hybridisation with probes flanking the T3 and T7 promoter sites of 8Cos-1. The 1046 bp T3 probe was amplified from 8Cos-1 with the primers AAQ80946 and AAQ80947 and the 1004 bp T7 probe was amplified with primers AAQ80948 and AAQ80949. The T7 probe was labelled with 35S- dATP and the T3 probe with 33P-dATP for dual label hybridisations. Maps were constructed by determining an order of fragments with no gaps using a computer program. (Updated on 25-MAR-2003 to correct PN field.)

10.9%; Score 14.4; DB 1; Length 18; larity 93.8%; Pred. No. 1.9e+02; Conservative 0; Mismatches 1; Indels Sequence 18 BP; 4 A; 2 C; 9 G; 3 T; 0 U; 0 Other; 1520 CCCCAACTCCGCCCAG 1535 Local Similarity nes 15; Conserv Query Match Best Loca Matches

CCCTAACTCCGCCCAG 3 8 ઠ

Human PCR primer SEQ ID NO:5102. ADM06417 standard; DNA; 18 (first entry) 20-MAY-2004 ADM06417;

ВP

human; gene therapy; diagnostic marker; pharmaceutical; ss; PCR; primer. EP1347046-A1 Homo sapiens 24-SEP-2003.

22-MAR-2002; 2002JP-00137785.

12-APR-2002; 2002EP-00008400

(REAS-) RES ASSOC BIOTECHNOLOGY.

Ishii S; R, Tamechika A, Sato H, ai K, Irie F Masuho Y; Otsuki T, Wakamatsu A, Hio Y, Otsuka K, Nagai Otsuka M, Nagahari K, M Sugiyama T, Yamamoto J, Isono Y, Seki N, Yoshikawa T, Isogai T,

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WPI; 2003-723558/69.

New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy.

Example 8; SEQ ID NO 5102; 305pp; English.

The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06773 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotides ADM01316-ADM03758 are useful in gene therapy, for developing a diagnostic marker or medicines

for regulating their expression and activity, or as a target of gene therapy. The proteins ADM03759-ADM06201 encoded by the polynucleotides are useful as pharmaceutical agents. The present sequence represents an oligonucleotide used in the invention.

Sequence 18 BP; 4 A; 3 C; 7 G; 4 T; 0 U; 0 Other

- by

Gaps ö Score 14.4; DB 1; Length 18; Pred. No. 1.9e+02; 0; Mismatches 1; Indels Query Match 0.9%; Best Local Similarity 93.8%; Matches 15; Conservative

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1094 GIGGAAGAIGCICAAC 1109 8 셤

ADM92954 standard; DNA; 18

BP.

RESULT 265

03-JUN-2004

ADM92954;

(first entry)

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Gaps

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SNP-containing cardiovascular associated gene primer #285

SNP; single nucleotide polymorphism; cardiovascular associated gene; allelic variation; atherosclerosis; ischemia; reperfusion; hypertension; restenosis; arterial inflammation; myocardial infarction; stroke; primer;

Homo sapiens.

WO2003057911-A2

17-JUL-2003

07-JAN-2003; 2003WO-EP000060

08-JAN-2002; 2002EP-00000153

(FARB) BAYER AG

Kallabis H; Schwers S, 'n, Stropp

WPI; 2003-577532/54.

New isolated polynucleotides comprising single nucleotide polymorphisms of the cardiovascular gene, useful for assessing predisposition or susceptibility to a cardiovascular disease, e.g. atherosclerosis, restenosis or stroke.

Disclosure; Page 78; 187pp; English.

The invention relates an isolated polynucleotide (I) encoded by a cardiovascular associated (CA) gene, having allelic variation contained in a functional surrounding like full length cDNA for CA gene promoter sequence. (I) is a polynucleotide comprising single nucleotide polymorphisms predicting cardiovascular disease. The polynucleotide polymorphisms predicting cardiovascular disease. The polynucleotides are useful for assessing cardiovascular disease. (E.C. atherosocial contains a cardiovascular disease, e.g. catherosocial contains a cardiovascular disease, e.g. catherosocial contains and stroke. These may also be used inflammation, myocardial infarction, and stroke. These may also be used to predict personal medication schemes omitting adverse drug reactions, crasp probes for detecting genetic polymorphisms and as templates for the recombinant production of normal or variant peptides/polypeptides encoded by the genes of the invention.

Sequence 18 BP; 8 A; 5 C; 2 G; 3 T; 0 U; 0 Other

Score 14.4; DB 1; Length 18; Pred. No. 1.9e+02; 0.9%; Query Match Best Local Similarity

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The invention relates to a kit for diagnosing and treating T-cell associated diseases which comprises a panel of nucleic acid primers pecifically priming and allowing amplification of each Vbeta gene, vbetaRNA or cDNA. The kit is useful for diagnosing organ transplant rejection and diagnosing and treating T-cell associated diseases including autoimmune diseases, degenerative nervous system diseases, and including autoimmune diseases, degenerative nervous system diseases, and neoplastic disease. Autoimmune diseases include Addison's disease, and neoplastic diseases. Autoimmune diseases include Addison's disease, arrophic gastritis. Degenerative nervous system diseases include multiple sclenosis and Alzheimer's disease. Hypersensitivity diseases include multiple sclenosis and Alzheimer's disease. Hypersensitivities such as those present in Coodpasture's syndrome and Type IV hypersensitivities such as those caused by the yeast genus Candida, parasitic infections such as those caused by the yeast genus Candida, parasitic infections such as those caused by schistosomes, filaria and bacterial infections such as those caused by Nycobacterium. Neoplastic diseases include lymphoproliferative diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kit for diagnozing and treating T-cell associated diseases e.g. autoimmune, degenerative nervous system and infectious disease, comprises nucleic acid primers specifically priming and allowing amplification of a
                                                                                                                                                                                                                                                                                                                          human; T-cell associated disease; Vbeta; autoimmune disease; degenerative nervous system disease; graft versus host disease; hypersensitivity disease; infectious disease; neoplastic disease; Addison; a disease; atrophic gastritis; degenerative nervous system disease; multiple sclerosis; Alzhaimer's disease; hypersensitivity disease; type I hypersensitivity; doodpasture's syndrome; type II hypersensitivity; leprosy; infectious disease; viral infection; HIV; fungal infection; Candida; parasitic infection; schistosome; filaria; bacterial infection; Mycobacterium; neoplastic disease; lymphoproliferative disease; leukaemia; lymphoma; cancer; brain cancer;
Gaps
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Indels
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Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 1251; 164pp; English,
                                                                                                                                                                                                                                                                                            Human Vbeta point mutation PCR primer #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               breast cancer; ss; PCR; primer.
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0
                                    1488 GTCACCAAGTAACCAG 1503
                                                                                                                                                                            BP.
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                                                            GTCACCAATTAACCAG 16
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                                                                                                                                                                            ADH71057 standard; DNA; 18
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  15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HOOD/) HOOD L E. (ROWE/) ROWEN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2002150891-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
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19-SEP-1995;
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                                                                                                                                                                                                                   ADH71057;
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  Matches
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ADH71057/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           οĘ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oligonuclectides of the present invention (see AAF45151 and AAF45153-
F45161). The method is useful for ameliorating the effects of psoriasis,
fichthyosis, pityriasis, ruba, pilaris, serbornhoea, keloids, keatcosis,
neoplasias, scleroderma, warts, benign growths, cancers of the skin,
hyperneovascular condition such as a neovascular condition of the retina,
barin or skin, growth factor-mediated malignancies, other sclerotic
disease, kidney disease, hyperpoliferation of the inside of blood
vessels or any other hyperplasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense
such as leukaemias, lymphomas and cancers such as cancer of the brain, breast. The present sequence represents a Vbeta point mutation PCR
                                                                                                                                                             Gaps
                                                                                                                                                             ;
                                                                                                                                                           1; Indels
                                                                                                                    0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.9e+02;
iive 0; Mismatches 1;
                                                                               Sequence 18 BP; 1 A; 4 C; 9 G; 4 T; 0 U; 0 Other
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 7; Page 47; 201pp; English.
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                                                                                                                                                                                                   649
                                                                                                                                                                                                                                                                                                                                        BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          IGFBP3 oligonucleotide #505.
                                                                                                                                                                                                                                      17 TCACCCGGGAACCCCA 2
                                                                                                                                                                                                                                                                                                                                        AAF47085 standard; DNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                     634 TCACCCGGGAGCCCCA
                                                                                                                                      Local Similarity 93.8 ses 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-041421/05.
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                                                                                                                                                                                                                                                                                                                                                                                                                    30-MAR-2001
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                                                                                                                          Query Match
                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                   RESULT 267
                                                                                                                                                                                                                                                                                                                        AAF47085
                                                                                                                                                                                                                                                                                                                                              88888
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Sequence 15 BP; 5 A; 4 C; 4 G; 2 T; 0 U; 0 Other;

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Gaps

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Indels

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Mismatches

. 0

Matches 14; Conservative

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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonuclectide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGP binding protein [IGFB]-2 or IGFB3), which is capable of inhibiting or reducing prootth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonuclectide which can be used to design the antisense oligonuclectides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
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                                                                                                                                                                                                                                                                                                                                                                     Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin discorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease; neobascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                          Gaps
                                          ö
    Length 15;
                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15 BP; 5 A; 4 C; 4 G; 2 T; 0 U; 0 Other;
Query Match 0.9%; Score 14; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 14; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MURD-) MURDOCH CHILDRENS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 7; Page 47; 201pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vessels or any other hyperplasia
                                                                                                                                                                                                                        ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99US-0140345P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-JUN-2000; 2000WO-AU000693
                                                                                                                                                                                                                                                                                                                                       IGFBP3 oligonucleotide #504.
                                                                                 136 AGCTCCAGGAAATG 149
                                                                                                  AAF47084 standard; DNA; 15
                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Wraight CJ, Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-041421/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200078341-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-JUN-1999;
                                                                                                                                                                                                                                                                                                  30-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-DEC-2000.
                                                                                                                                                                                                                                                           AAF47084;
                                                                                                                                                                               RESULT 268
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Query Match 0.9%; Score 14; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 1.2e+02;

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The invention relates to an oligomuclectide for targeted alteration of a genetic sequence, which comprises a single-stranded oligomuclectide comparing a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chamical modifications of the oligomuclectide. The chemical modifications of chamical modification, an LNA modification, two or more consist of o-methyl modification, an LNA modification, two or more consist of come linkages on a terminus, or a combination of any two or more of these modifications. The oligomuclectides are useful for directing repair or alteration of plant genetic information. The coligomuclectides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved contritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. conferring amino acid over production), herbicide resistance (e.g. altering amino acid over production, modified starch production disease resistance, modified oil production, modified starch production (e.g. increased starch or production of waxy starch), altered floral
                                                                                                                                                                                                                                                                                                   Chromosomal genomic alteration; genome altering oligonucleotide; PCR; se; o-methyl modification; LNA modification; phosphorothioate linkage; bubx repair; DNA alteration; environmental tolerance; hygromycin: B; abiotic stress tolerance; improved nutritional value; hygromycin: B; amino acid over production; herbicide resistance; gulphonylurea herbicide resistance; porphyric herbicide resistance; sulphonylurea herbicide resistance; modified oil production; modified starch production; waxy starch; modified floral morphology; male-sterile plant; albino mutant; modified fatty acid content; reduced palmitate production; albino plant; photosynthetic process.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil production.
                                                                                                                                                                                                                                                                Stress tolerance conferring genome altering oligonucleotide #63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kim J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 7; Page 100; 220pp; English
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                                                                                                                                             BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-JUN-2001; 2001WO-US017672.
136 AGCTCCAGGAAATG 149
                   2 AGCTCCAGGAAATG 15
                                                                                                                                           ABK25595 standard; DNA; 17
                                                                                                                                                                                                                           09-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eucalyptus camaldulensis.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gamper HB,
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                                                                                                                                                                                      ABK25595;
                                                                                                        RESULT 269
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10828394-1_1-1643.rng.sl

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to an oligonucleotide for targeted alteration of a genetic sequence, which comprises a single-stranded oligonucleotide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modifications of the oligonucleotide. The chemical modifications of the oligonucleotide. The chemical modifications phosphorothioate linkages on a terminus, or a combination of any two or
morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced palmitate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome altering oligonucleotide of the invention
                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Stress tolerance conferring genome altering oligonucleotide #64.
                                                                                                                                                                                             .
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                                                                                                                                                   0.9%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 1.8e+02; tive 0; Mismatches 0; Indels
                                                                                                                    Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 7; Page 100; 220pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Rice MC,
                                                                                                                                                                                                                                                                                                                                                                    ABK25596 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JUN-2001; 2001WO-US017672.
                                                                                                                                                                                                                                    1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                          14 GGTCACCACGGTGG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                           Best Local Similarity 100.0
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eucalyptus camaldulensis
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    photosynthetic process
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-106307/14.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               09-APR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                           ABK25596;
                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                RESULT 270
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more of these modifications. The oligonuclectides are useful for directing repair or alteration of plant genetic information. The oligonucleotides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved contritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. glyphosate resistance, imidazolinone and sulphonylurea herbicide resistance, porphyric herbicide resistance or triazine resistance).

C disease resistance, modified oil production, modified starch production (e.g. increased starch or production of waxy starch), altered floral c morphology (e.g. male-seerile plants) or modified fatty acid content control or coligonucleotides are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome calculation oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               amberzyme, G-cleaver ribozyme, decoy molecule, aptamer,
HBV reverse transcriptase, Enhancer I region, viral replication,
degenerative, disease state, HBV infection, HCV infection, cirrhosis,
liver failure, hepatocellular carcinoma, hepatotropic, cytostatic,
virucide, antiinflammatory, substrate, ss.
                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lee
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                                                                                                                                                                                                                                                                                            Score 14; DB 1; Length 17;
Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pavco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Morrissey D,
                                                                                                                                                                                                                                                              Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                 ' Match Local Similarity 100.0%; Pred. No. 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HCV DNAzyme substrate sequence #1541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26-MAR-2001; 2001US-00817879.

08-JUN-2001; 2001US-00874748.

08-JUN-2001; 2001US-0296876P.

24-OCT-2001; 2001US-0335059P.

05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACD59851 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                              1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                       4 GGTCACCACGGTGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
LEE P.
DRAPER K.
ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200281494-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-SEP-2003
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Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACD59851;
                                                                                                                                                                                                                                                                                                    Query Match
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(LEEP/)
(DRAP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (RIBO-)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MORR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MCSM)
                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACD59851
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymes, amberzymes, and enzymes, answers, amberzymes, and G-cleaver ribozymes. DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptuse and/or HBV reverse transcriptuse and/or HBV reverse transcriptuse and/or that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV COMPOUNDES and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds competed to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                  Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                            Claim 1; Page 261; 387pp; English
WPI; 2003-229207/22
                                                                                                            Infection.
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Query Match

0.9%; Score 14; DB 1; Length 17;
Best Local Similarity 71.4%; Pred. No. 1.8e+02;
Matches 10; Conservative 4; Mismatches 0; Indels
                                                                             766 TCCACGCCATGTTC 779
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Gaps

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HCV DNAzyme substrate sequence #1541. ВР ADI84295 standard; RNA; 17 03-JUN-2004 (first entry) ADI84295; RESULT 272 BB; HCV

enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; infection; type I interferon; DNAzyme. Hepatitis C virus JS2003125270-A1. 03-JUL-2003.

18-DEC-2000; 2000US-00740332. 18-DEC-2000; 2000US-00740332

(BLAT/) BLATT L. (MCSW/) MCSWIGGEN J. (ROBE/) ROBERTS E. (PAVC/) PAVCO P A. (MACE/) MACEJACK D.

Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections,

Pavco PA, Macejack D;

Roberts E,

Blatt L, Mcswiggen J,

WPI; 2004-031273/03

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This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the pesired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Identifying a cell with a desired oligonucleotide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a selectable phenotype.
                                                                The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mutant cell identification-related mutagenic oligonucleotide SeqID955.
                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant;
                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                   Query Match 0.9%; Score 14; DB 1; Length 17; Best Local Similarity 71.4%; Pred. No. 1.8e+02; Matches 10; Conservative 4; Mismatches 0; Indels
especially in combination with type I interferon therapy
                                                                                                                                                                                                                                     Sequence 17 BP; 2 A; 7 C; 3 G; 0 T; 5 U; 0 Other;
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                                    Claim 1; SEQ ID NO 1541; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYDE ) UNIV DELAWARE.
(NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-OCT-2002; 2002US-0416983P.
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                                                                                                                                                                                                                                                                                                                                             766 rccacgccargrrc 779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADN44286 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kmiec EB, Van Brabant A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid production; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eucalyptus camaldulensis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-340941/31.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADN44286;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADN44286/
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This invention relates to a novel method of identifying a cell having a desired oligomucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female steril plants, abicitic stress tolerance, ablaino plants or plants with a lettered amino acid production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                            ö
nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abiotic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Identifying a cell with a desired oligonucleotide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mutant cell identification-related mutagenic oligonucleotide SeqID956
                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant;
                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                          Ouery Match 0.9%; Score 14; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.8e+02; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 25; SEQ ID NO 956; 303pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (UYDE ) UNIV DELAWARE.
(NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADN44287 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-OCT-2003; 2003WO-US031862.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-OCT-2002; 2002US-0416983P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1202 GGTCACCACGGTGG 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14 dercaccaceeree 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        amino acid production; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eucalyptus camaldulensis.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        selectable phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-340941/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004033708-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-APR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADN44287;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADN442877

IID ADN47877

IID ADN47877

ADN47877

ADN47877

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present oligomucleotide (ON) inhibits the expression of hepatitis C virus (HCV) RNA, specifically HCV type II protein synthesis is inhibited by about 50%. The ONS of the invention inhibit translation of HCV types I V RNA in vivo, ex vivo or in vitro, and can therefore be used to treat or prevent HCV infection. The antisense ONS comprise 10-28 nucleotides complementary to the entire HCV 5'-non-coding and part of the core region. The Ao r S in the ONS name denotes antisense or sense, and the no. indicates the position of the 5'-end of the ON. The ON was tested at 10 fold molar excess to HCV RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New anti:sense hepatitis C virus oligo:nucleotide(s) - used for inhibiting HCV RNA translation, for the treatment or prevention of HCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                       Gaps
                                                                                                                                                                                                                                                                                                                              Inhibition, expression, hepatitis C virus, HCV; non-A, non-B, RNA, translation, in vivo, ex vivo; in vitro, treatment, prevention; infection, antisense; non coding; region; NCR; core region; ss.
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                                        0.9%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.8e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                  Hepatitis C virus antisense oligonucleotide A377 (17).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 1 A; 1 C; 4 G; 11 T; 0 U; 0 Other;
            Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 31; 50pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP.
                                                                                                                                                                                                          ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.8%;
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                                                                                                     1202 GGTCACCACGGTGG 1215
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|||| ||||||| ||||
17 CTCAAAGAAAAACCAAA
                                                                                                                                                                                                          AAT05231 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAX75009 standard; RNA; 17
                                                                                                                     GGTCACCACGGTGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GEHO ) GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                      (first entry)
                                                                       14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Wakita T, Wands JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1995-404113/51.
                                           Query Match
Best Local Similarity
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Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                       WO9530746-A1
                                                                                                                                                                                                                                                                      13-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-NOV-1995.
                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Infection
                                                                                                                                                                                                                                          AAT05231;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 276
                                                                                                                                                                                RESULT 275
                                                                       Matches
                                                                                                                                                                                               AAT05231/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAX75009
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                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (fl.-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAXG775 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
                                                                   Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase l; kinase insert domain containing receptor; foetal liver kinase l; ss.
                                                                                                                                                                                                                                                                                                                                                             Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Maize, corn, Zea mays, delta-9 desaturase, GBSS, target, substrate; granule bound starch synthase; hammerhead ribozyme; hairpin ribozyme; modulation; gene expression; transgenic plant; cleavage; canola plant; caffeine synthesis; coffee plant; nicotine production; tobacco; fruit ripening; flower pigmentation; lignin production; ss.
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                                               Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 64.7%; Pred. No. 1.9e+02; Matches 11; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Delta-9 desaturase hamerhead ribozyme target SEQ ID NO:687.
                                                                                                                                                                                                                                                                                                                Stinchcomb D, Escobedo J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 2 A; 8 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; Page 171; 218pp; English.
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|cuccccTugcTGAAGC 17
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                                                                                                                                                                                                                    96WO-US017480
                                                                                                                                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC. (CHIR ) CHIRON CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAX62812 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                          (first entry)
                                                                                                                                                                                                                                                                                                                 Pavco P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                        WPI; 1997-259017/23
                                                                                                                                                                                                                  25-OCT-1996;
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                          28-JUL-1999
                                                                                                                                                                   WO9715662-A2
                                                                                                                                                                                                                                           26-OCT-1995;
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                                                                                                                                              Mus sp.
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The present invention describes an enzymatic nucleic acid molecule (I) with RNA cleaving activity, which modulates the expression of a plant gene. Also described is a gene comprising a cDNA sequence encoding maize Delta-9 desaturase. (I) can be used to modulate expression of a gene, preferably Delta-9 desaturase or a granule bound starch synthase (GBSS) gene, in a plant (preferably a maize or canola plant). (I) can be used to modulate caffeine synthesis in a coffee plant, incotine production in a tobacco plant, fruit ripening processes in an apple, tomato, pear, plum or peach plant, flower pigmentation in a rose, petunia, chrysanthemum or marigold plant or lignin production in a tobacco, aspen, poplar or pine
                                                                                                                                                                                                                                                                                                                                     Skokut TA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ribozyme which modulates plant gene expression - preferably modulates expression of DELTA-9 desaturase or granule bound starch synthase in maize or canola.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ob receptor; ObR; cytokine receptor; signal transduction; eating disorder; obesity; cachexia; anorexia; bulimia; diagnosis; gene therapy; polymerase chain reaction; PCR; primer; ss.
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88.2%; Pred. No. 1.9e+02;
trive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                        Guo L,
                                                                                                                                                                                                                                                                                                                                        Merlo PAO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 5 A; 3 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                   Mcswiggen JA,
Merlo DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 38; Page 85; 155pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Murine obR gene forward primer.
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95US-00566622.
95US-00569485.
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                                                                                                                                                       96WO-US011689
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                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-AUG-1997 (first entry)
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nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                        Zwick MG, Edington BE,
Young SA, Folkerts O,
                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1997-202224/18
                                                                                                                                                                                                                                                                                      (DOWC ) DOWELLANCO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-NOV-1995;
04-DEC-1995;
08-DEC-1995;
                                              WO9710328-A2.
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                                                                                                                                                       12-JUL-1996;
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                                                                                                   20-MAR-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAT69614;
Zеа шаув.
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AAT69614
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Location/Qualifiers
                   Disclosure, Fig 1; 16pp; English
                                                                                                                                                                                                                            fragment with a fluorescent tag
                                                                                                                                                                                                                                                                                                          1357 AAGCGCTGCAGGAATAC 1373
                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                             17
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                                                                                                                                                                                                                                                                    0.8%;
                                                                                                                                                                                                                                                                                                                     1 ATGCTCTGCAGGAATAC
                                                                                                                                                                                                                                                                                                                                                                    AAV47411/c
ID AAV47411 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EAST CAROLINA
                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linkages"
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (UYEC-) UNIV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-JUN-1998
fluorophore
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                 AAV47411;
                                                                                                                                                                                                                                                                                                                                                            RESULT 280
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                                                                                                                                                                           Forward and reverse PCR primers (AAT69614 and AAT69615) are based on the 31' sequence of mouse Ob receptor (ODR) cDNA clone fami5312 (see also AAT69590). They revealed a polymorphism on SSCP gels between C57B1/6J genomic DNA and wild-derived Mus spretus strain SPRET/Ei DNA. The polymorphism allowed the genetic mapping of fami5312 to murine chromosome 4, approx. 2.2 cM distell to the marker D4Mit9 and 4.6 cM proximal to the marker D4Mit46. This mapping confirmed the results obtd. using another primer pair (AAT69612-13) derived from fami5312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Electrophoretic analysis of DNA fragments - tagged with chromophore or
                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hunkapiller TJ;
                                                                                                                    Isolated Ob receptor genes and polypeptide(s) - useful to develop products for diagnosis or treatment of body weight disorders, e.g. obesity, cachexia, anorexia and bulimia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequencing; chromophore;
                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                      0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                            Indels
                                                                              White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Smith LM,
                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Electrophoretic analysis; DNA fragment; seque:
fluorophore; tag; electrophoresis; primer; ss
                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                              Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hunkapiller MW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic DNA fragment from US5821058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CALY ) CALIFORNIA INST OF TECHNOLOGY
                                                                                                                                                           Example; Page 122; 265pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        84US-00570973.
85US-00689013.
85US-00722742.
8TUS-00660160.
91US-00660160.
95US-00570142.
95US-00583153.
96US-00599455.
96US-00638524.
                                                                                                                                                                                                                                                                                                                                660 CACTACCTGCCCTTCAG 676
                                                                                                                                                                                                                                                                                                                                              CACTATTTGCCCTTCAG 17
                                                                                                                                                                                                                                                                                                                                                                                                   AAV61074 standard; DNA; 17 BP
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                                                           (MILL-) MILLENNIUM PHARM INC
                                                                              Tepper RI,
                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                             15; Conservative
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                                                                                                  WPI; 1997-310525/28
                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                              Tartaglia LA,
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02-JAN-1985;
11-APR-1985;
07-OCT-1987;
21-FEB-1991;
                   22-JAN-1996;
26-APR-1996;
03-SEP-1996;
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  11-DEC-1995;
28-DEC-1995;
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                                                                                                                                                                                                                                                                                         Query Match
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method has been developed of separating and detecting tagged polynucleotides. The method comprises: providing a set of polynucleotides, each tagged with a chromophore or fluorophore; resolving to separate one of the tagged polynucleotides from other tagged polynucleotides from other tagged polynucleotides from other tagged polynucleotides differing in length by a single nucleotide using an electrophoretic procedure capable of resolving tagged polynucleotides by means of the chromophore or fluorophore. The present invention also describes a method of detecting the sequence of a polynucleotide by analysing technique which comprises: introducing the tagged polynucleotide fragments into an electrophoretic medium; or apply polynucleotide fragments into an electrophoretic medium using an electrophoretic procedure capable of resolving the polynucleotide fragments differing in length by a single nucleotide; detecting the separated tagged polynucleotide fragments in the electrophoretic conformation of the component of the conformation of the polynucleotide fragment and determining the polynucleotide fragment in the polynucleotide fragment in the polynucleotide fragment in the polynucleotide fragment fragment
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/note= "contains phosphorothioate internucleotide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02;
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Sequences AAV46501-V47446 are anti-sense oligonucleotides that target the human adenosine A1 receptor, the design of which required the secondary structure of this targets mRNA. The adenosine receptor mRNA secondary structure was both analysed and used to construct antisense containing a phosphorothioate backbone. Once the oligonucleotides containing a phosphorothioate backbone. Once the antisense molecules are created they can be used to target their predetermined target, thus causing the game product to decrease. The antisense oligonucleotides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptor is a member of the G-protein coupled family of cell surface receptors that have 7-transmembrane segments. These oligonucleotides can be used to treat or transmembrane segments. These oligonucleotides can be used to treat or crevent conditions associated with bronchoconstriction and/or lung inflammation in humans or other animals e.g. asthma, pulmonary disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
Treating respiratory disease with antisense sequences directed against adenosine or bradyknin receptors - with localised delivery to the respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Secondary structure; mRNA; phosphorothicate backbone; G-protein; bronchoconstriction; lung inflammation; asthma; pulmonary disease; allergy; emphysema; cystic fibrosis; ss.
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/teg= a
/note= "contains phosphorothicate internucleotide
linkages"
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
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                                                                                          Claim 12; Page 8-24; 47pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1530 GCCCAGCCTCTCCCCGC 1546
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Best Local Similarity 88.2
Matches 15; Conservative
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 281
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Comparing the initiation codon. The receptors that target the human adenosine Al receptor, the design of which required the secondary contractive of this targets mRNA. The adenosine receptor mRNA secondary contracture of this targets mRNA. The adenosine receptor mRNA secondary contractive of this targets mRNA. The adenosine receptor mRNA secondary continues both analysed and used to construct antisense containing a phosphorothioate backbone. Once the configonucleotides containing a phosphorothioate backbone. Once the continuing either a junction between the specific mRNA regions antisense oligonucleotides were targeted to specific mRNA regions containing either a junction between the intron and exon, or where they may overlap the initiation codon. The receptors that have 7-

Transmembrane segments. These oligonucleotides can be used to treat or prevent conditions associated with bronchoconstriction and/or lung inflammation in humans or other animals e.g. asthma, pulmonary disease, allergy, emphysema and cystic fibrosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence invention describes ribozymes targeted to modulate the synthesis and/or expression of interleukin (IL)-2R gamma encoded RNA. ANY93889 to ANY94574 represent specifically claimed ribozymes, and AAV94575 to AAV95260 represent specifically claimed substrate sequences from the present invention. The ribozymes can be used for the treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ribozymes targetted to interleukin 2 - useful for treating e.g. cancer, autoimmune disease and allergies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; IL-2 receptor g-chain; interleukin 2 receptor gamma chain;
hammerhead tibozyme; hairpin ribozyme; substrate; expression; cancer;
autoimmune disease; psoriasis; allergy; inflammatory disease;
graft rejection; ss.
respiratory system, suitable for long term treatment of asthma, adult respiratory distress syndrome etc.
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88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2; Indels
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                                                              Claim 12; Page 8-24; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 37; 61pp; English.
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Best Local Similarity 88.2
Matches 15; Conservative
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A method has been developed for the identification of a nucleic acid capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic acid catalysts (IMC) having a substrate binding domain (BBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endonuclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme; target; substrate; catalyst; modulation; expression; Raf gene; delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psoriasis; non-hepatic ascites; infection; genetic drift; restenosis; rheumatoid arthritis; ss.
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of, e.g. graft rejection, autoimmune disease, cancer, psoriasis, allergy and other inflammatory conditions. The ribozymes are also used to induce tolerance in a recipient to alloantigen from a donor
                                                                                                                                                                                                                                                                  Gaps
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Burgin A;
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Pred. No. 1.9e+02;
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Mcswiggen JA, Karpeisky A,
Beaudry A, Sweedler D;
                                                                                                                             Sequence 17 BP; 0 A; 10 C; 0 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                  7; Mismatches
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97US-0049002P.
97US-0051718P.
97US-0061321P.
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Parry T, Beigelman L, Mcswi
Thompson J, Workman CT, Bea
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                                                                                                                                                                                                     Query Match
Best Local Similarity 47.1%;
Matches 8; Conservative '
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV92651 standard; RNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-009494/01.
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02-OCT-1997;
02-OCT-1997;
05-NOV-1997;
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The specification describes antisense oligomucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genemic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligomucleotides may be derived from sequences AAX55272-74. These multiple target oligomucleotides (specifically AAX55180-271) can be used for the antisense treatment of
                                                                                                                                                                                                                                                                         ö
caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic ascites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACS with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restencist, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of c-raf Introduction of sugar. Aphosphate modifications increases stability against nuclease and activity. Aw80922 to AAV9387 represent NACS that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense oligonucleotide; multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasoconstriction; inflammation; allergic rhinitis; acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary disconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepaticeclular carcinoma; kidney cancer; melanoma; hepatic metastasis;
                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides used in treatment of, e.g. pulmonary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human adenosine Al receptor antisense oligonucleotide fragment.
                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                   y Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; and 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                 Sequence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 41; 120pp; English.
                                                                                                                                                                                                                                                                                                                      328 AGCTGAAGGAGCTCCCA 344
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98US-00093972.
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                                                                                                                                                                                                                                                                                                                                        17 AGATGGAGGAGCTCCCA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAX53788 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           prostate cancer; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (UYEC-) UNIV
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09-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9913886-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAX53788;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Nyce JW;
                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                   Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 284
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10828394-1 1-1643.rng.sl

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diseases and conditions. Typical diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emphysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, colon cancer acrinoma, kidney cancer, melanoma, hepatic metastases, as well as all types of cancers which may metastasize or have metastasized to the lungs, including breast and prostate cancer
             8X88888888888X8
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Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

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Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
0; Mismatches 2; Indels
                                                                   1530 GCCCAGCCTCTCCCCGC 1546
                                                                                       17 GCCCAGCCTGTGCCCGC 1
                    88.2%;
 Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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Gaps

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RESULT 285

AAX52912 standard; DNA; 17 BP. AAX52912

05-JUL-1999 (first entry)

Human adenosine Al receptor antisense oligonucleotide fragment.

Antisense oligonucleotide, multiple target; antisense treatment; impaired respiration; inflammation; lung disease; pulmonary vasoconstriction; inflammation; allergic rhinitis; acute asthma; allergy; asthma; impeded respiration; respiratory distress syndrome; pain; cystic fibrosis; pulmonary bypertension; pulmonary vasoconstriction; emphysema; chronic obstructive pulmonary disease; leukemia; lymphoma; carcinoma; colon cancer; breast cancer; lung cancer; pancreatic cancer; hepatocellular carcinoma; kidney cancer; melanoma; hepatic metastasis; prostate cancer; ss

Synthetic.

WO9913886-A1

25-MAR-1999.

98WO-US019419. 17-SEP-1998;

97US-0059160P. 98US-00093972. 17-SEP-1997; 09-JUN-1998;

(UYEC-) UNIV EAST CAROLINA.

Nyce JW;

WPI; 1999-229400/19

New antisense oligonucleotides used in treatment of, e.g. pulmonary vasoconstriction.

Disclosure; Page 28; 120pp; English.

The specification describes antisense oligonucleotides (AAX52869-X55271) directed against at least 2 mRNAs selected from target genes, coding and non-coding regions of RNAs corresponding to target genes, gene initiation codons, genomic flanking regions, intron-exon borders, the 5'-end, the 3'-end and the juxta-section between coding and non-coding regions and all segments of RNAs encoding proteins associated with one or more diseases, conditions or mixtures. The antisense oligonucleotides may be derived

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from sequences AAX55272-74. These multiple target oligonucleotides (specifically AAX55180-271) can be used for the antisense treatment of diseases and conditions are those associated with impaired respiration and inflammation, including lung diseases, pulmonary vasoconstriction, inflammation, allergic rhinitis, acute asthma, allergies, aethma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, pulmonary vasoconstriction, emplysema, chronic obstructive pulmonary disease (COPD), and cancers such as leukemias, lymphomas, carcinomas e.g. colon cancer, breast cancer, lung cancer, pancreatic cancer, hepatocellular carcinoma, kidney cancer, melanoma, hepatic metastassized to the lungs, including breast and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; adenosine receptor; low adenosine antisense oligonucleotide; phosphorothioate; impaired respiration; inflammation; allergy; allergy; allergic disease; bronchoconstriction; inhibitor; antinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemia; lymphoma; carcinoma; metastasis; ss.
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or
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0
                                                                                                                                                                                                                                                                                                              Score 13.8; DB 1; Length 17;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Low adenosine antisense oligonucleotide SEQ ID NO:920
                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAA33231 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                  0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                  17 GCCCAGCCTGTGCCCGC
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                                                                                                                                                                                                                                                                                                                                                                                              1530 GCCCAGCCTCTCCCCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-AUG-1999;
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impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating c e.g. ischaemic conditions, pulmonary vasoconstriction, allergies, asthma, imposed respiration, respiratory distress syndrome, pain, cystic fibrosis, pulmonary hypertension, emphysema, chronic obstructive c tibrosis, pulmonary hypertension, emphysema, chronic obstructive c tibrosis, and cancers which may metastasise to the lungs, including containts and prostate cancer. The reduction of the adenosine content of the const and prostate cancer. The A-containing ONs break down with the crelease of deoxyadenosine which activates adenosine receptors causing conchoconstriction and inflammation. AAA12313 to AAA3512 represent the nucleotide sequences given in the sequence listing from the present the invention, which correspond to SEQ ID NO:1 to 2815, and then the last 185 cequences are also called SEQ ID NO:1 to 185, but the sequences differ from the previously named sequences. SEQ ID NO:11 to 1860 (AAA32333 to AAA33992) are specifically claimed ONS from the present invention. N.B. Sequences given in the disclosure of the present invention do not match in the interest of the present invention of net match interest corresponding SEQ ID NO: sequences given in the sequence

Seguence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

Length 17; 2; Indels Score 13.8; DB 1; Pred. No. 1.9e+02; 0; Mismatches 1530 GCCCAGCCTCTCCCCGC 1546 0.8%; 17 eccepecerarecee Local Similarity 88.2 Query Match g ò

AAA32356 standard; DNA; 17 BP

(first entry) 28-JUL-2000 AAA32356;

Low adenosine antisense oligonucleotide SEQ ID NO:44.

Human; adenosine receptor; low adenosine antisense oligonucleotide; phosphorothioate; impaired respiration; inflammation; allergy; allergic disease; bronchoconstriction; inhibitor; antiinflammatory; antiallergic; antiasthmatic; cytostatic; analgesic; impaired airway; lung disease; ischaemic condition; pulmonary vasoconstriction; asthma; respiratory distress syndrome; pain; cystic fibrosis; emphysema; pulmonary hypertension; chronic obstructive pulmonary disease; COPD; cancer; leukaemia; lymphoma; carcinoma; metastasis; ss.

Homo sapiens

WO200009525-A2

24-FEB-2000

99WO-US017712. 03-AUG-1999;

(UYEC-) UNIV EAST CAROLINA

98US-0095212P.

03-AUG-1998;

Nyce JW;

WPI; 2000-205971/18.

New antisense oligonucleotides useful for treating e.g. pulmonary vasoconstruction, inflammation, allergies, asthma, hypertension, bronchitis, emphysema, respiratory distress syndrome, ischemia or cancers

Claim 18; Page 272; 1343pp; English.

The present invention describes a new composition comprising an antisense oligonucleotide (ON) with low adenosine (up to 15%), which targets and/or concleic acids involved in bronchoconstriction, allergies, and/or inflammation. The ON can have antiinflammatory, antiallergic, antiasthmatic, cytostatic and analgesic activities. The compositions are useful for the treatment of diseases associated with inflammation, impaired airways, including lung disease and diseases whose secondary effects afflict the lungs of a subject. They can be used for treating of effects afflict the lungs of a subject. They can be used for treating cofficients, pulmonary vasconstriction, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic impeded respiration, respiratory distress syndrome, pain, cystic cincomary disease (CODD), and cancers such as leukaemias, lymphomas, carcinomas, and cancers which may metastasise to the lungs, including breat and prostate cancer. The reduction of the adenosine content of the control of control contr

Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

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Gaps

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Gaps ; Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02; 0; Mismatches 2; Indels 0.8%; Local Similarity 88.2 nes 15, Conservative Query Match Matches

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1530 GCCCAGCCTCCCCGC 1546 17 GCCCAGCCTGTGCCCGC a ö

RESULT 288

AAZS7766 standard; DNA; 17 BP

05-APR-2000 (first entry)

Hepatitis C virus antisense inhibitor oligonucleotide #21.

Heparitis C virus; HCV; antisense oligonucleotide; hepatotropic; ss; anti-inflammatory; translation inhibition; HCV infection; virucide.

Hepatitis C virus.

US6001990-A.

95US-00474700. 07-JUN-1995;

94US-00240382 LO-MAY-1994;

(GEHO) GEN HOSPITAL CORP.

Wakita T; Moradpour D, Wands JR,

WPI; 2000-104900/09

Antisense oligonucleotide to Hepatitis C virus RNA, useful for treating Hepatitis C virus infections.

Claim 24; Col 25; 31pp; English.

This sequence is an antisense oligonucleotide that hybridises to Hepatitis C virus (HCV) RNA, under physiological conditions. The

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invention relates to HCV antisense oligonucleotides, and also for a vector comprising a nucleotide sequence which is transcribed in an animal cell to generate an antisense oligonucleotide. The oligonucleotides have virucide, hepatotropic and anti-inflammatory activity, and are useful for treating HCV infection by inhibiting translation of type I-V HCV RNA. Hepatitis C virus is a positive strand RNA virus, and is the major causative agent of post-transfluion hepatitis. Persistent HCV infection can lead to chronic hepatitis, cirrhosis, and hepatocellular carcinoma

Sequence 17 BP; 1 A; 1 C; 4 G; 11 T; 0 U; 0 Other;

0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; Live 0; Mismatches 2; Indels 222 CTCATAGAAAAACAAA 238 15; Conservative Query Match Best Local Similarity g

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Gaps

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17 CTCAAAGAAAAACCAAA 1

AAA03590 standard; DNA; 17 BP 19-MAY-2000 AAA03590; RESULT 28;

AAA03590/AAA03590/AAA03590/AAA03590/AAA03590/AAA0350/AAA03

(first entry)

Human, adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine Az receptor; adenosine Ab receptor; phosphorothioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndrome; cytoprotective; anti-allergic; anti-inflammatory; anti-hypoxic; auguraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; ss. Human adenosine Al receptor antisense oligonucleotide SEQ ID NO:874

Homo sapiens. Synthetic.

WO9963938-A2

16-DEC-1999

99WO-US012775. 1999; 98US-0088501P. 98US-00093972. 98US-0088657P. 08-JUN-1998; 09-JUN-1998; 09-JUN-1998;

(EPIG-) EPIGENESIS PHARM INC

Nyce JW, Hill JL;

WPI; 2000-116433/10.

composition for treating or preventing e.g. cardiopulmonary and renal injury Novel

Claim 17; Page 36; 252pp; English.

The present invention describes a pharmaceutical composition, comprising at least one agent (I) that prevents, alleviates and/or inhibits adenosine-mediated cardiopulmonary and/or renal damage and/or failure.

(I) is an adenosine Aza receptor agonist (Ia), or an oligonucleotide (Ib), containing less than 15% adenosine (A), that is antisense to target genes or corresponding RNA, to genomic flanking regions (i.e. 5' or 3' ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine A1, A2a, A2b or A3 receptors, and has A1, A2b or A3 agonist activity or A2a antagonist activity (or at least no agonist activity at this receptor). (I) may be a mixture of (Ia) and (Ib), and optionally also contains one or more surfactants. The

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receptor-mediated cardiac, lung and/or renal damage or failure receptor-mediated cardiac, lung and/or renal damage or failure (particularly where associated with ischaemia, toxin release and/or administration of drugs or imaging agents, e.g. adenosine for treating supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with sepsis); allergic rhinitis; chronic obstructive pulmonary disease; cardiopulmonary hypoxa associated with administration of stress tagents, particularly where such conditions are associated with acute inflammation. AAA02117, AAA02119, AAA02721 and AAA02721 or oligonucleotides for use in the composition of the present invention. AAA02118, AAA02720, AAA02712 and AAA03716 to AAA03710 represent chher phosphorothioate oligonucleotides used in the exemplification of the
adenosine
compositions are used to prevent, alleviate and/or treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  present invention
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Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

Gaps .. 0 Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02; 0; Mismatches 2; Indels 0.8%; Query Match Best Local Similarity 88.2 Matches 15; Conservative

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1530 GCCCAGCCTCTCCCCGC 1546 17 GCCCAGCCTGTGCCCGC

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RESULT 290 AAA03660/

AAA03660 standard; DNA; 17 BP.

AAA03660;

19-MAY-2000 (first entry)

Human adenosine Al receptor antisense oligonucleotide SEQ ID NO:944.

Human, adenosine Al receptor; antisense oligonucleotide; hypoxia; adenosine Asa receptor; adenosine Ab receptor; adenosine Ab receptor; phosphorothioate; cardiopulmonary failure; renal failure; ischaemia; endotoxin release; ARDS; acute respiratory distress syndromic; cytoprotective; anti-allorgic; anti-inflammatory; anti-hypoxic; enuraventricular tachycardia; allergic rhinitis; acute inflammation; chronic obstructive pulmonary disease; ss.

Homo sapiens Synthetic WO9963938-A2.

16-DEC-1999

99WO-US012775. 1999; 98US-0088501P. 98US-00093972. 98US-0088657P. 08-JUN-1998; 09-JUN-1998;

(EPIG-) EPIGENESIS PHARM INC

Nyce JW,

WPI; 2000-116433/10.

Novel composition for treating or preventing e.g. cardiopulmonary and renal injury.

Claim 17; Page 37; 252pp; English.

The present invention describes a pharmaceutical composition, comprising at least one agent (1) that prevents, alleviates and/or inhibite adenosine-mediated cardiopulmonary and/or renal damage and/or failure. (1) is an adenosine Aza receptor agonist (1a), or an oligonucleotide (1b), containing less than 15% adenosine (A), that is antisense to target

Claim 14; Page 120; 1592pp; English.

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ends or segments between coding and non-coding sequences), or to all segments of mRNA encoding the adenosine A1, A2a, A2b or A3 agonist activity or A2 antagonist activity (or at least no agonist activity or A2 antagonist activity (or at least no agonist activity or A2 antagonist activity (or at least no agonist activity at this receptor). (I) may be a mixture of (Ia) and optionally also contains one or more surfactants. The compositions are used to prevent, alleviate and/or treat adenosine receptor-mediated cardiac, lung and/or renal damage or failure (particularly where associated with ischaemia, toxin release and/or confinitis in the capital and cardiac, allergic rhinitis; chronic obstructive supraventricular tachycardia); (adult) respiratory distress syndrome (e.g. associated with sepsis); allergic rhinitis; chronic obstructive of surress-test agents, particularly where such conditions are associated with acute inflammation. PAA02717, AAA02719, AAA02721 and AAA02723 to AAA03715, represent specifically claimed phosphorothioate antisense oligonucleotides for use in the composition of the present invention. AAA02718, AAA02718, AAA02722 and AAA03716 to present invention. genomic flanking regions (i.e. 5' or 3' corresponding RNA, to present invention

Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

ó Gaps ô 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ive 0; Mismatches 2; Indels 88.2%; 15; Conservative Best Local Similarity Query Match Matches

1530 GCCCAGCCTCTCCCCGC 1546 17 GCCCAGCCTGTGCCCGC

ò 셤 AAF19353 standard; DNA; 17 BP.

AAF19353;

14-MAR-2001 (first entry)

Human adenosine Al receptor polynucleotide fragment #920.

Low adenosine antisense oligonucleotide; phosphorothioate; allergy; human; airway disorder; bronchoconstriction; lung inflammation; surfactant depletion; respiratory; bronchodilator; antiinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhinitis; pulmonary hypertension; emphysema; pulmonary transplantation rejection; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; cancer; BB.

Homo sapiens.

WO200062736-A2.

26-OCT-2000

24-MAR-2000; 2000WO-US008020

06-APR-1999; 99US-0127958P

(UYEC-) UNIV EAST CAROLINA. (NYCE/) NYCE J W.

Nyce JW;

MPI; 2000-679539/66.

Low adenosine (A) content antisense oligonucleotides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers and respiratory obstructions.

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the present invention describes now augmentation (M) counted and compositions (I) comprising them. In the antisense oligonucleotides and compositions (I) comprising them. In the antisense oligonucleotides the A is replaced by a 'Universal' or alternative base. (I) can have respiratory, bronchodilator, antiinflammatory, analgesic, immunosuppressive, antiasthmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (I) can be used to down-regulate the expression and or activity of target polypeptides associated with constraing peptide factors and manigancies, transcription factors, immunoglobulins and antibodies, antibody receptors, cytokines and chemokines, endogenously produced specific and non-specific and enzymes, chinding proteins, adenosine receptors, bradykinin receptors, central nervous system (CNS) and peripheral nervous and non-nervous system corporates, defensins, growth factors, vasoactive peptides and receptors, binding proteins and malignancy associated proteins. The creeptors, binding proteins and malignancy associated proteins. The and/or bronchoconstriction) and/or lung inflammation, allergy(ies) and/or surfactant hypoproduction which are associated with a disease or condition selected from pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory disease (COPD), condition selected from pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory disease (COPD), pain, cystic fibrosis (CP), allergic rhinitis (AR), pulmonary transplantation rejection, pulmonary infections, bronchitis, and/or encer. AAF18434 to AAF21543 represent human polynucleotide.
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                                                                         present invention describes low adenosine (A) content antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1530 GCCCAGCCTCTCCCCGC 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
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17 GCCCAGCCTGTGCCCGC

AAF18477 standard; DNA; 17 BP RESULT 292 AAF18477/c

14-MAR-2001 (first entry)

AAF18477;

Human adenosine Al receptor polynucleotide fragment #44.

Low adenosine antisense oligonucleotide; phosphorothioate; allergy; human; airway disorder; bronchoconstriction; lung inflammation; businfactant depletion; respiratory; bronchodilator; antinflammatory; immunosuppressive; antiasthmatic; analgesic; hypotensive; cytostatic; respiratory obstruction; pulmonary obstruction; impeded respiration; surfactant hypoproduction; pulmonary vasoconstriction; asthma; RDS; respiratory distress syndrome; pain; cystic fibrosis; allergic rhinitis; pulmonary hypertension; emphysema; pain; cystic fibrosis; allergic rhinitis; chronic obstructive pulmonary disease; pulmonary infection; bronchitis; cancer; ss.

Homo sapiens.

WO200062736-A2.

24-MAR-2000; 2000WO-US008020

19-OCT-2000

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The present invention describes low adenosine (A) content antisense oligonucleotides and compositions (I) comprising them. In the antisense coligonucleotides the A is replaced by a 'Universal' or alternative base. (C) can have respiratory, bronchodilator, antiinflammatory, analgesic, immunosuppressive, antiasthmatic, hypotensive and cytostatic activities. The antisense oligonucleotides and (I) can be used to down-regulate the expression and or activity of target polypeptides associated with clung/respiratory disorders and malignancies, such as stimulating and activities and malignancies, such as stimulating and activities and artibody receptors, cytokines and chemokines, endogenously produced specific and non-specific enzymes, chemokines, endogenously produced specific and non-specific enzymes, binding proteins, adhesion molecules and their receptors, cytokine and chemokine receptors, adenosine receptors, braders and non-nervous system (CNS) and peripheral nervous and non-nervous system creeptors, binding proteins and malignancy associated proteins. The antisense oligonucleotides may be used in this way to treat disorders including respiratory obstruction (especially pulmonary obstruction (especially pulmonary obstruction and/or bronchoconstriction) and/or lung inflammation, allergy (as) and/or surfactant hypoproduction which are associated with a disease or condition selected from pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome (RDS), pain, cystic fibrosis (CF), allergic rhintis (AR), pulmonary complyened respiration, respiratory distress syndrome (RDS), pain, cystic fibrosis (CF), allergic rhintis (AR), pulmonary complyened antisense oligonucleotides used in the exemplification of regeners invention
                                                                                                                                                                               Low adenosine (A) content antisense oligonuclectides which do not trigger adenosine receptors during metabolism, useful e.g. for treating cancers and respiratory obstructions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 / Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; nes 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                     Claim 14; Page 106; 1592pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hammerhead ribozyme substrate #942.
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06-APR-1999; 99US-0127958P
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                                      (UYEC-) UNIV EAST CAROLINA. (NYCE/) NYCE J W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the present invention
                                                                                                                                            WPI; 2000-679539/66
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interferon alpha;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200061729-A2
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                                                                                                     Nyce JW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 293
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                                                                                                                                                                                                                                                                                                   The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRF-2 and/or the CAATT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoletin, granulocyte colony stimulating factor protein and interferon alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead riboxyme; DNAzyme; inozyme; dever; amberzyme; inozyme; locyme; juncyme; locyme; dever; amberzyme; lymphoma; non-Hodgkin's lymphoma; NHL; lymphoma; leukaemia; human immundeficiency virus; HTV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                              Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; Local 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                               Mcswiggen J;
                                                                                                                                                                                                                                                                          Claim 37; Page 77; 164pp; English
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2000US-0185516P.
2000US-0187128P.
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                                                                                                                                 Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-FEB-2001; 2001WO-US004273
                              11-APR-2000; 2000WO-US009721
                                                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human NOGO Zinzyme #207.
                                                                                                                                                                WPI; 2000-647423/62
                                                                                                                                   Zwick M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200159103-A2.
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28-FEB-2000; 2
06-MAR-2000; 2
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                                                              12-APR-1999;
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                                                                                                                                 Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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Matches
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Gaps

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Chowrira BM,

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Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                              central nervous system injury.
     RIBOZYME PHARM INC.
                                    Blatt L, Mcswiggen J,
           (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J.
(CHOW/) CHOWRIRA B M.
                                               WPI; 2001-607195/69.
     (RIBO-) F
(BLAT/) F
(MCSW/) N
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The invention relates to a nucleic acid molecule which down expression of a CD20 gene and a nucleic acid molecule which down expression of a neurite growth inhibitor gene (NOGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a numberzyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a NCH motif) pr an amberzyme (cleaving RNA with an NGN with a NGN with a NGN motif) proposessing an NCH motif). The CD20-targetting nucleic acid is used to cleave RNA of CC for 101 in the presence of a divalent cation that is preferably Mg^2,+.

Furthermore, it may be contacted with a cell to reduce CD20 acityity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more the reat lymphoma (RNE), bulky low-grade or follicular NHL, lymphocytic cleakaemia, becall lymphoma, low-grade or follicular NHL, lymphocytic lenkaemia, HV (human immundeficiency virus) associated NHL, mantle-cell lymphoma (ML), immunocytoma (INC), small B-cell lymphocytic lymphoma, including in used to cleave RNA of the NOGO gene in the presence of a divalent cation that is preferably Mg^2 +. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the contact a patient having a condition associated with the level of the act central nervous system (CNS) injury and crebrovascular accident (CNS) injury and crebrovascular acceptance is a ciaraym molecule of the invention (CNS) stroke) alsease, ataxia, Huntingcon's disease, muscular dystrophy, and/or other neurodegeneration The present contaction accidence of disease, muscular dystrophy, and/or other neurodegeneration (ENGC) accurate of the sease. Claim 88; Page 99; 200pp; English.

Sequence 17 BP; 8 A; 1 C; 3 G; 0 T; 5 U; 0 Other;

Gaps ö 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels Local Similarity 88.2 nes 15; Conservative Query Match

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1621 CAATAAACTGTCTTGT 1637 CATTAAACTGTCTTTT 17

g 8

ABK01053 standard; RNA; 17 BP. ABK01053; ABK01053,

(first entry) 12-MAR-2002

Human NOGO Inozyme #323.

Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme;

DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; inmunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer, & disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.

Homo sapiens. Synthetic.

WO200159103-A2

16-AUG-2001.

09-FEB-2001; 2001WO-US004273

11-FEB-2000; 2000US-0181797P. 28-FEB-2000; 2000US-0185516P. 06-MAR-2000; 2000US-0187128P.

RIBOZYME PHARM INC BLATT L. (BLAT/) (MCSW/) RIBO-)

CHOW/) CHOWRIRA B M. MCSWIGGEN J

BW; Chowrira Blatt L, Mcswiggen J,

WPI; 2001-607195/69

Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.

Claim 88; Page 83; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down expression of a neurite growth inhibitor gene (NGGO). The regulates expression of a neurite growth inhibitor gene (NGGO). The concleic acids (e.g. a ribozyme or a namber andolytic nucleic acids (e.g. a ribozyme or a namberzyme (cleaving RNA with a NRN motif) proposessing an NCH motif) a d-cleaver (cleaving RNA with a NRN motif) proposessing an NCH motif). The CD20-targetting nucleic acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA cof CD20 in the presence of a divalent cation that is preferably MG² +. Creat lymphoma, leukaemia, the CD20 targetting nucleic acid may be used to the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more cof the cell in particular, the CD20 targetting nucleic acid may be used to the captain and limit lammatory arthropathy. The NOGO-immune thrombomy (NCL), immunocytoma (NHL), bulky low-grade or follicular nontragetting nucleic acid may be contacted with a cell to reduce ONGO acit, the cargetting nucleic acid may be contacted with a cell to reduce ONGO acid to the cargetting nucleic acid may be contacted with a cell to reduce ONGO acid to the collicular acid may be used to cleave RNA of the NOGO gene in the cell and treat a patient having a condition associated with the level of the collicular, the NOGO-targetting nucleic acid may be used to cleave RNA of the NOGO. The treatment may further comprise the use of one or more contacted neuropathy, amyotrophic lateral acid acid may be condition associated with the level of chancherapy-induced neuropathy, amyotrophic lateral acid each energate dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy amyotrophic lateral acid may be used to chancherapies. In particular, Hunky may and cerebrowas sequence is an inozyme of the invention

Sequence 17 BP; 8 A; 2 C; 2 G; 0 T; 5 U; 0 Other;

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10828394-1_1-1643.rng.sl

Mouse, obese receptor; ObR; anorectic; anabolic; body weight disorder; therapy; obesity; cachexia; anorexia; PCR primer; 88.

Mouse famj5312 ObR cDNA amplifying forward PCR primer

03-JAN-2002 (first entry)

AAD20529;

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AAD20529 standard; DNA; 17

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses obese receptor (ODR) proteins and nucleic acids body weight. The invention also relates in the regulation of mammalian body weight. The invention also relates to a method of identifying therapeutic compounds for the treatment of a body weight disorder. The method involves contacting a cell that expresses a mammalian ODR protein, and a mammalian SOCS-1 protein with a test compound. The method is useful for identifying compounds which modulate ODR gene expression and gene product activity, which can be used as agents to control body weight particularly as therapeutic agents for treating body weight disorders, including obesity, cachexia and anorexia. The present DNA sequence is a forward PCR primer which is used for amplifying mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test
                                                                                                                                                                                                                                                                                        Mouse, obese receptor; ObR; anorectic; anabolic; body weight disorder; therapy; obesity; cachexia; anorexia; PCR primer; ss.
                               Gaps
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0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; Live 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                             Mouse ObR genomic DNA amplifying forward PCR primer #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tartaglia LA, Tepper RI, Culpepper JA, White DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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                                                              1622 AATAAAACTGTCTTGTG 1638
                                                                                                                                                                                                                                                                                                                                                                                                                                                              95US-00562662.
95US-00566485.
95US-00569485.
95US-00593153.
96US-00599455.
96US-00638524.
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                                                                              17 ATTAMAACTGTCTTTTG 1
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                                                                                                                                                                     AAD20527 Standard; DNA; 17
                                                                                                                                                                                                                                (first entry)
   Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
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08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
22-JAN-1996;
26-APR-1996;
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28-MAY-1997;
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                                                                                                                                                                                                   AAD20527;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses obese receptor (ODR) proteins and nucleic acids encoding them. ODR protein participates in the regulation of mammalian therapeutic compounds for the treatment of a body weight disorder. The method involves contacting a cell that expresses a mammalian ODR protein, a JAK2 protein and a mammalian SOCS-1 protein with a test compound. The method is useful for identifying compounds which modulate ODR gene expression and gene product activity, which can be used as agents to control body weight particularly as therapeutic agents for treating body weight disorders, including obesity, cachexia and anorexia. The present DNA sequence is a forward PCR primer which is used for amplifying mouse
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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Best Local Similarity 88.2
Matches 15; Conservative
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Identifying compounds for treating body weight disorder, e.g. obesity, anorexia or cachexia, comprises contacting cell expressing mammalian Ob receptor protein, JAK2 protein and mammalian SOCS-1 protein with test compound.

DW;

White

Tepper RI, Culpepper JA,

WPI; 2001-624489/72.

Tartaglia LA,

MILL-) MILLENNIUM PHARM INC

95US-00562663. 95US-00566622. 95US-00569485. 95US-00571142. 95US-00599455. 96US-00598455. 96US-00708123.

11-DEC-1995

22-JAN-1996; 26-APR-1996; 03-SEP-1996; 28-MAY-1997;

98US-00069781

29-APR-1998;

11-SEP-2001

27-NOV-1995; 04-DEC-1995; 08-DEC-1995;

US6287782-B1.

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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels

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660 CACTACCTGCCCTTCAG 676

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Ellis

10828394-1_1-1643.rng.sl

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The present invention relates to oligonucleotides that downregulate the expression of human Grb2-related with Insert Domain (GRID) gene. GRID is a T-cell co-stimulatory adaptor protein. The oligonucleotides are useful for modulating the expression of GRID, to treat conditions such as tissue/graft rejection and leukaemia. The oligonucleotides can also be administered in conjunction with other therapies such as radiation, chemotherapy and cyclosporin treatment. The present oligonucleotide was used to illustrate the invention
                                                                                                                                                                                                                                                                                New nucleic acid(s) for regulating the Grb2-related with Insert Domain (GRID) gene comprises using antisense and enzymatic nucleic acid molecules such as hammerhead ribozymes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mouse; obese receptor; ObR; receptor; body weight disorder; obesity; cachexia; anorexia; anorectic; anabolic; immunomodulator; PCR; primer;
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                                                                                                                                                                                                            Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                            Claim 4; Page 67; 108pp; English
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95US-0056622.
95US-00570142.
95US-00591153.
96US-00599455.
96US-00708123.
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                                                                                                                         24-FEB-2000; 2000US-0184594P.
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                                                                                     23-FEB-2001; 2001WO-US005957.
                                                                                                                                                                                                                 Jarvis T, Von Carlowitz I,
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                                                                                                                                                           (RIBO-) RIBOZYME PHARM ]
(GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                  WPI; 2001-550088/61.
               WO200162911-A2
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04-DEC-1995;
08-DEC-1995;
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28-DEC-1995;
22-JAN-1996;
26-APR-1996;
03-SEP-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel duplex useful in sequencing reactions, comprising an oligonuclectide primer covalently coupled to a chromophore or fluorophore so as to allow chain extension by a polymerase, and a template.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Connell CR;
                                                                                                                                                             DNA sequencing; sequence analysis; chromophore; fluorophore; ds
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CALY ) CALIFORNIA INST OF TECHNOLOGY
                                                                                                                              DNA sequencing method DNA fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Fig 1A; 15pp; English.
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85US-00689013.
85US-001062342.
91US-00660160.
92US-00898019.
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                    AAF79852 standard; DNA; 17 BP
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11-APR-1985;
07-OCT-1987;
21-FEB-1991;
12-JUN-1992;
21-DEC-1994;
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The present invention relates to novel obese (Ob) receptor (ObR) proteins and polynucleotides encoding them. The invention relates to a method of identifying candidate therapeutic agents to treat body weight disorder. The method involves providing a cell which expresses a mammalian ObR on the cell surface, binds leptin, the cell harbouring a reporter construct comprising a sequence encoding a reporter protein, contacting the cell with a test compound and measuring the expression of the reporter protein in the presence of the test compound. The method is useful to identify an agent, preferably a small molecule or antibody for the treatment of body weight disorders such as obesity, cachexia, and anorexia. The present DNA sequence is a PCR primar which is used for amplifying mouse ObR genomic DNA. This sequence is used in the exemplification of the invention
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                                                                                Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression of reporter protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse; obese receptor; ObR; receptor; body weight disorder; obesity; cachexia; anorexia; anorectic; anabolic; immunomodulator; PCR; primer;
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                             Culpepper JA, White DW
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95US-00566485.
95US-00569485.
95US-00583153.
96US-00593455.
96US-00598524.
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(MILL-) MILLENNIUM PHARM INC
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                           Tartaglia LA, Tepper RI,
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Matches 15; Conservative
                                                           WPI; 2002-535640/57
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08-DEC-1995;
11-DEC-1995;
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White DW;

Fartaglia LA, Tepper RI, Culpepper JA,

WPI; 2002-535640/57

(MILL-) MILLENNIUM PHARM INC

26-APR-1996; 03-SEP-1996;

28-DEC-1995 22-JAN-1996

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                                                                                                                   The present invention relates to novel obese (Ob) receptor (ObR) proteins and polynucleotides encoding them. The invention relates to a method of identifying candidate therapeutic agents to treat body weight disorder. The method involves providing a cell which expresses a mammalian ObR on the cell surface, binds leptin, the cell harbouring a reporter construct comprising a sequence encoding a reporter protein, contacting the cell with a test compound and measuring the expression of the reporter protein in the presence of the test compound. The method is useful to identify an agent, preferably a small molecule or antibody for the treatment of body weight disorders such as obesity, cachexia, and anorexia. The present DNA sequence is a PCR primer which is used for amplifying mouse ObR genomic DNA. This sequence is used in the exemplification of the invention
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        Identifying candidate therapeutic agents for treating body weight disorders, comprises contacting test compound with cell expressing mammalian obese receptor and reporter protein, and measuring expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Obesity receptor; ObR; body weight disorder; therapy; food intake; anorexia; cachexia; acquired immune deficiency syndrome; cytostatic; AIDS-related wasting; cancer-related wasting; metabolic; anti-HIV; immunomodulator; human immunodeficiency virus; mouse; PCR; primer; ss.
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                                                                                             Example; Col 121; 110pp; English
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                            reporter protein.
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04-DEC-1995;
08-DEC-1995;
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Increasing food intake in a mammal having a low body weight disorder such as anorexia, involves administering to the mammal a soluble polypeptide comprising the extracellular domain of an obesity receptor protein.
                                                       The invention relates to obesity receptor (ODR) protein and its corresponding nucleic acid. The invention also relates to a method for the diagnosis and treatment of body weight disorders. The method is useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, cachexia, acquired immunodeficiency syndrome (AIDS) related wasting or cancer-related wasting. The present sequence is a PCR primer used for amplifying mouse ODR gene. This sequence is used in the exemplification
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Obesity receptor; ObR; body weight disorder; therapy; food intake; anorexia; cachexia; acquired immune deficiency syndrome; cytostatic; AIDS-related wasting; metabolic; anti-HIV; immunomodulator; human immunodeficiency virus; mouse; PCR; primer; ss.
comprising the extracellular domain of an obesity receptor protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse obesity receptor (ObR) gene amplifying forward primer #2.
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                              Col 63; 114pp; English.
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95US-00569485.
95US-00570142.
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                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                       of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
22-JAN-1996;
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                                  Example;
                                                                                                                                                                                                                                                       Query Match
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Gaps

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
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                                                                                                                                                                                                                                                                                                                                                                                                                  Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; 88.
                                or
useful for increasing food intake in a mammal having a disorder characterised by low body weight, where the disorder is anorexia, cachexia, acquired immunodeficiency syndrome (AIDS)-related wasting or cancer-related wasting. The present sequence is a PCR primer used for
                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                     Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:1895.
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                                                                                                                      0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ive 0; Mismatches 2; Indels
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                                                                                           Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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ABN01903 standard; DNA; 17 BP.
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30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
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30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                amplifying mouse ObR gene
                                                                                                                                                             15; Conservative
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                                                                                                                                             Similarity
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30-JAN-2001; 2
30-JAN-2001; 2
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27-SEP-2000;
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                                                                                                                              Query Match
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30-JAN-2001;
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           expressing the proteins. The holding-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise holding-1 cused as immunogens to raise antibodies that specifically recognise holding used as immunogens to raise antibodies that specifically recognise holding and/or amount specifically of holding-proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hgDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1 in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in alectronic format directly from WIPO.

at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
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   protein variants having desired phenotypic improvements, and for
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                                                                                                                                                                                                                                                                                                                                             / Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; nes 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 7 C; 4 G; 4 T; 0 U; 0 Other;
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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The present invention describes a human genome-derived myosin-like

C c can be used in gene therapy and vaccine production. The hGDMLP-1

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C nucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

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C provide initial substrates for the recombinant engineering of hGDMLP-1

C protein variants having desired phenotypic improvements, and for

C c protein variants having desired phenotypic improvements, and for and or amount specifically of hGDMLP-1 proteins or polypeptides may be

CC capture probes for surface-enhanced laser desorption ionication, and and in vaccines or for replacement therapy. The

Cr production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

Cr disorder associated with the expression of hGDMLP-1, in particular heart

CC disorder associated with the expression of hGDMLP-1, in particular heart

CC and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

CC The sequence data for this patent did not form part of the printed

CC at ftp.wipo.int/pub/published_pct_sequence
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or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
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                                                                                                      Disclosure; SEQ ID NO 7485; 214pp; English.
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17 GTCCAGCTCTCCTCGC 1
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2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
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2001WO-US000665.
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2001WO-US000667
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Matches 15; Conservative
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30-JAN-2001;
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27-SEP-2000;
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30-JAN-2001;
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Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

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The present invention describes a human genome-derived myosin-like

C c can be used in gene therapy and vaccine production. The hGDMLP-1

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C provide initial substrates for the recombinant engineering of hcDMLP-1

C provide initial substrates for the recombinant engineering of hcDMLP-1

C provide initial substrates for the recombinant engineering of hcDMLP-1

C protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

C used as immunogens to raise antibodies that specifically recognise hcDMLP

C and/or amount specifically of hGDMLP-1 proteins, as specific biomolecule

C capture probes for surface-enhanced laser desorption ionisation, as

C therapeutic supplement in patients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

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production, and in vaccines or for replacement therapy. The

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CC The present sequence represents an oligomer used in the screening of the

CT production but was obtained in electronic form part of the printed

CD Specification, but was obtained in electronic format directly from WIPO

C at the value of the present invention. N.B.

C specification, but was obtained on electronic format directly from WIPO
                                                                                                                                                                                                                       New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                Disclosure; SEQ ID NO 8568; 214pp; English.
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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les 15; Conservative
                                                                                                                                       Penn SG,
                                                                                                                                                                                WPI; 2002-179446/23.
                                                                                           (AEOM-) AEOMICA INC
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0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                             292 AGGATGCCCTAAATGAG 308
                                                                                                                    ABN09695 standard; DNA; 17 BP
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The present invention describes a human genome-derived myosin-like protein 1 (hgDMLP-1). The protein and polymucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify concleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for capterssing the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be concentration and/or amount specifically of hGDMLP-1 proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as candour supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration of skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a confine present sequence represents an oligomer used in the screening of the hoppine of the present sequence in the exemplification of the present invention. N.B. Creening the present invention. N.B. Creening the present directly from WIPO creening confine format directly from WIPO creening confine sequence.
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
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                                                                                                                                                                                                                                                                                                                                                Rank DR,
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                                                   30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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The present invention describes a human genome-derived myosin-like

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C nucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hGDMLP-1

C provide initial substrates for the recombinant engineering of hGDMLP-1

C provide initial substrates for the recombinant engineering of hGDMLP-1

C provide initial substrates for the recombinant engineering of hGDMLP-1

C provide initial substrates for the recombinant engineering of hGDMLP-1

C protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

C used as immunogens to raise antibodies that specifically recognise hGDMLP-1

C used as immunogens to raise antibodies that specific biomolecule

C and or amount specifically of hGDMLP-1 proteins, as specific biomolecule

C capture probes for surface-enhanced laser desorption ionisation, as

C cherapeutic supplement in patients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines encoding hGDMLP-1 may be used for diagnosing a

CC production, and in vaccines encoding hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

CC The present sequence in the exemplification of the present invention. New Sequence data for this patent did not form part of the printed

C The sequence data for this patent did not form part of the printed

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skeletal muscle disorder; amplicon; screening;
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21-SEP-2000; 2000US-0234687P.
21-SEP-2000; 2000US-0234535P.
04-0CT-2000; 2000US-0236359P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US0006670.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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                                                 Homo sapiens
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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indel8
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270 GAAGAAGCCAAGAAGAA 286 GAGGAAGCCAAGAAGGA 17

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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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Human GDMLP-1 17-mer scanning
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Human genome-derived myosin-
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AE-MAY-2001, 2001WO-US016981.
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AE-MAY-2001, 2001WO-US016681.
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AE-MAY-2001, 2001WO-US00665.
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30-JAN-2001, 2001WO-US00665.
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30-JAN-2001, 2001WO-US00666.
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4 ED-AR-2001, 2001WO-US00666.
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AECO-T-AN-2001, 2001WO-US006
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2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 9688; 214pp; English.

The present invention describes a human genome-derived myosin-like

protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP
c c can be used in gene therapy and vaccine production. The hGDMLP-1

c nucleic acids can be used as probes to detect, characterise and quantify

c hGDMLP-1 nucleic acids in samples, as amplification substrates, to

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c provide initial substrates for the recombinant engineering of hGDMLP-1

c protein variants having desired phenotypic improvements, and for a proteins the proteins. The hGDMLP-1 proteins or polypeptides may be

c expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

c expressing the proteins in assays used to determine the concentration

and/or amount specifically of hGDMLP proteins, as specific biomolecule

c and/or amount specifically of hGDMLP proteins, as specific biomolecule

c capture probes for surface-enhanced laser desorption ionisation, as

c production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

c production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

colynucleotide sequence encoding hGDMLP-1 may be used for diagnosing a

c disorder associated with the expression of hGDMLP-1, in particular heart

c and skeletal muscle disorders, hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

CT he sequence data for this patent did not form part of the printed

specification, but was obtained in electronic format directly from MIPO

c at ftp.wipo.int/pub/published_pct_sequence

Sequence 17 BP; 2 A; 8 C; 4 G; 3 T; 0 U; 0 Other;

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                      Length 17;
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                    Score 13.8; DB 1; Dred. No. 1.9e+02; O; Mismatches 2;
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30-JAN-2001; 2001WO-US000661.
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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21-SEP-2000;
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production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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30-JAN-2001; 2001WO-US000669.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABN07363;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 311
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10828394-1 1-1643.rng.sl

WO200192524-A2. Homo sapiens

25-MAY-2001; 2001WO-US016981 06-DEC-2001

Rank Hanzel DK, Penn SG, Ji Y, Gu Y,

Shannon ME;

Chen W,

DR,

nucleic acids can be used as probes to detect, characterise and quantify nucleic acids can be used as probes to detect, characterise and quantify to homby-1 nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for expressing the proteins. The homby-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise homby-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of homby-proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as the reapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The concentration and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence

Seguence 17 BP; 8 A; 4 C; 5 G; 0 T; 0 U; 0 Other;

ö Gaps ö Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; les 15; Conservative 0; Mismatches 2; Indels Query Match Best Loca Matches

셤 ઠે

ABN08672 standard; DNA; 17 BP RESULT 312

(first entry) 29-MAY-2002 ABN08672

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8664.

Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

ABNO8672

ALID ABN

XXX

AC ABN

XXX

XXX

AC ABN

DE Hum

DE Hum

DE CO

XXX

DE CO

26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234585P.
04-OCT-2000; 2000US-0234559P.
04-OCT-2000; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.

(AEOM-) AEOMICA INC.

The present invention describes a human genome-derived myosin-like

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C mucleic acids can be used as probes to detect, characterise and quantify

mucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C hGDMLP-1 or caise antibodies that specifically recognise hGDMLP-1

C protein variants having desired phenotypic improvements, and for

c appressing the proteins. The hGDMLP-1 proteins or polypeptides may be

CC capture probes for surface-enhanced laser describing recognise hGDMLP-1

C and/or amount specifically of hGDMLP proteins, as specific biomolecule

CC capture probes for surface-enhanced laser describing indication, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

colynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a

disorder associated with the expression of hGDMLP-1, in particular heart

C and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

CT he sequence data for this patent did not form part of the printed

C The sequence data for this patent did not form part of the printed

c at ftp.wipo.int/pub/published_pct_sequence New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1. Sequence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other; Disclosure; SEQ ID NO 8664; 214pp; English. WPI; 2002-179446/23. %XCCCCCCCCCCCCCCCXXXX1111XXXX

0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ative 0; Mismatches 2; Indels 271 AAGAAGCCAAGAAGAAG 287 Best Local Similarity 88.2 Matches 15; Conservative Query Match

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Gaps

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RESULT 313

ઠે В ABN08669 standard; DNA; 17 BP 29-MAY-2002 (first entry) ABN08669;

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8661.

Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

Homo sapiens

WO200192524-A2. 06-DEC-2001

25-MAY-2001; 2001WO-US016981

2000US-0234687P, 2000US-0234687P, 2000US-023459P, 2000GB-00024263, 2001WO-US000661, 2001WO-US000662, 2001WO-US000663, 21-SEP-2000; 27-SEP-2000; 20-04-0CT-2000; 20-0AN-2001; 20 26-MAY-2000;

Έ :

2001WO-US000662. 2001WO-US000663. 2001WO-US000664.

30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2

2001WO-US000661

25-MAY-2001; 2001WO-US016981

2001WO-US000665. 2001WO-US000666. 2001WO-US000667.

30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001; 2 30-JAN-2001;

Shannon ME;

Chen W,

Rank DR,

30-JAN-2001; 2001WO-US000668. 30-JAN-2001; 2001WO-US000669. 30-JAN-2001; 2001WO-US000670.

05-FEB-2001; 2001US-0266860P

30-JAN-2001;

(AEOM-) AEOMICA INC.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polymuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 can be used as probes to detect, characterise and quantify hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify conclein variants having desired phenotypic improvements, and for caprosin variants having desired phenotypic improvements, and for caprosing the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be capture probes for surface-enhanced laser description ionisation, and or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as capture in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration can skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a confuscion of the present sequence represents an oligomer used in the screening of the hopping-1 sequence in the exemplification of the present invention. We have sequence data for this patent did not form part of the printed captured by the present divertify from MIPO capture of the present directly from MIPO capture of the present directly from Leganence of the present directly from Leganence of the present did not form part of the printed captured by the present did not form part of the printed captured by the present sequence.
                                                                                                                                                                                                                                                                                                                                         New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 8661; 214pp; English.
                                                                                                                                                                                                                                                  Hanzel DK,
               30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
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                                                                                                                                                                                                                                                    Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                    WPI; 2002-179446/23.
                                                                                                                                                                                                  (AEOM-) AEOMICA INC.
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0; Gaps 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels

Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss. Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2643. ABN02651 standard; DNA; 17 BP. 29-MAY-2002 (first entry) ABN02651/c

WO200192524-A2 Homo sapiens.

06-DEC-2001

New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific blomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1. Gaps Shannon ME ö 0.8%; Score 13.8; DB 1; Length 17; 18.2%; Pred. No. 1.9e+02; Indels Chen W, Sequence 17 BP; 1 A; 4 C; 8 G; 4 T; 0 U; 0 Other; Gu Y, Ji Y, Penn SG, Hanzel DK, Rank DR, 0; Mismatches at ftp.wipo.int/pub/published_pct_sequence Disclosure; SEQ ID NO 2643; 214pp; English. 845 CITCCAGCACCCGCCAA 861 17 creccadeaccedecaa 1 88.2%; Local Similarity 88.2 hes 15; Conservative WPI; 2002-179446/23 Query Match Matches ò

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ABN08668 standard; DNA; 17 BP

RESULT 315

ABN08668

29-MAY-2002 (first entry)

ABN08668;

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The present invention describes a human genome-derived myosin-like

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C c can be used in gene therapy and vaccine production. The hGDMLP-1

C nucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hGDMLP-1

C protein variants having desired phenotypic improvements, and for

C expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

C expressing the proteins as standards in assays used to determine the concentration

C used as immunogens to raise antibodies that specifically recognise hGDMLP

C used as immunogens to raise antibodies that specifically recognise hGDMLP

C and/or amount specifically of hGDMLP. proteins, as specific biomolecule

C and/or amount specifically of hGDMLP. proteins, as specific biomolecule

C capture probes for surface-enhanced laser desorption ionisation, as

C therapeutic supplement in patients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

C polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a

CC disorder associated with the expression of hGDMLP-1; in particular heart

C and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B.

C The sequence data for this patent did not form part of the printed

C at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                             Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon ME;
Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:8660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 8660; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-MAY-2000; 2000US-02207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234583P.
04-0CT-2000; 2001US-0236359P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-MAY-2001; 2001WO-US016981
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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels Sequence 17 BP; 7 A; 3 C; 6 G; 1 T; 0 U; 0 Other;

267 CTAGAAGAAGCCAAGAA 283

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Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                                                                                            Human KTOM1a portion (ABQ63232) probe # 449.
                                                                                                                                                                                                                              27-SEP-2000; 2000US-023559P.
04-607-2000; 2000GB-0024263.
30-JAN-2001; 2001WG-US000661.
30-JAN-2001; 2001WG-US000663.
30-JAN-2001; 2001WG-US000663.
30-JAN-2001; 2001WG-US000666.
30-JAN-2001; 2001WG-US000666.
30-JAN-2001; 2001WG-US000666.
                                                                                                                                                                                                                     2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
2001WO-US000661.
                                          ВР
CTGGAGGAAGCCAAGAA 17
                                                                                                                                                                                                                                                                                                                    30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
23-MAY-2001; 2001US-00864761.
28-AUG-2001; 2001US-0315676P.
                                                                                                                                                                                                     21-SEP-2001; 2001WO-US029656
                                         ABQ63736 standard; DNA; 17
                                                                            (first entry)
                                                                                                                                                                  WO200224750-A2.
                                                                                                                                                  Homo sapiens
                                                                           20-AUG-2002
                                                                                                                                                                                    28-MAR-2002
                                                           ABQ63736;
                         RESULT 316
                                  ABQ63736
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.

WPI; 2002-479509/51.

Zhang J;

(AEOM-) AEOMICA INC.

Example 2; Page 216; 418pp; English.

The invention relates to a novel isolated nucleic acid encoding human KTCM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTCM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTCM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTCM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal musele, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTCM1a (ABQ631212)

Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other;

Gaps ö 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; vative 0; Mismatches 2; Indels . Query Match 0.8 Best Local Similarity 88.2 Matches 15; Conservative

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8

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Gaps

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1 ATCTACTCCCAGCTGGA 17

522 ATCGACTCCCTGCTGGA

ВР

ABQ63732 standard; DNA; 17

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RESULT 318
                                                              ABQ63732
                                                                                 The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest ascancer of the kidney, as well as a disorder of liver, bone matrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ63232)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                  Human, KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 6 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                 Human KTOM1a portion (ABQ63232) probe # 447.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 216; 418pp; English.
                                                                                                                                                                                                                                                                                  21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0235359P.
40-OCT-2000; 2000US-0236359P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
23-MAY-2001; 2001WO-US000669.
                                                                  BP.
CTACTCCCAGCTGGAGA 17
                                                                                                                                                                                                                                                               21-SEP-2001; 2001WO-US029656
                                                                  ABQ63734 standard; DNA; 17
                                                                                                             (first entry)
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                                                                                                                                                                                                                       WO200224750-A2.
                                                                                                                                                                                                    Homo sapiens,
                                                                                                              20-AUG-2002
                                                                                                                                                                                                                                            28-MAR-2002
                                                                                         ABQ63734;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Zhang J;
                                              RESULT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                               Human; KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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88.2%; Pred. No. 1.9e+02;
rative 0; Mismatches 2; Indels
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                                                                                                          Human KTOM1a portion (ABQ63232) probe # 445.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 2; Page 216; 418pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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30-JAN-2001; Z001WO-US000663.
30-JAN-2001; Z001WO-US000664.
30-JAN-2001; Z001WO-US000666.
30-JAN-2001; Z001WO-US000666.
30-JAN-2001; Z001WO-US000666.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
23-MAY-2001; 2001US-00864761.
28-AUG-2001; 2001US-0315676P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2000US-0236359P.
2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2001WO-US000661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-SEP-2001; 2001WO-US029656
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Best Local Similarity 88.2'
Matches 15, Conservative
                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               e.g., liver or bone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-479509/51.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27-SEP-2000; 204-OCT-2000; 20-JAN-2001; 2
                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                           20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                             28-MAR-2002
ABQ63732;
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Gaps

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Conservative

Best_Local Similarity Matches 15; Conserv

Query Match

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Gaps

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Indela

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Mismatches

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Conservative

15;

521 CATCGACTCCCTGCTGG 1 CATCTACTCCCAGCTGG

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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, KTOMla, KTOMl, kidney tumour overexpressed membrane, cytostatic, gene therapy, cancer, kidney, liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus, placenta, probe, ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                               Human KTOM1a portion (ABQ63232) probe # 446.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2; Page 216; 418pp; English.
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30-JAN-2001; 2001WO-US000661.

30-JAN-2001; 2001WO-US000663.

30-JAN-2001; 2001WO-US000664.

30-JAN-2001; 2001WO-US000666.

30-JAN-2001; 2001WO-US000666.

30-JAN-2001; 2001WO-US000667.

30-JAN-2001; 2001WO-US000667.

30-JAN-2001; 2001WO-US000667.

23-MAY-2001; 2001WO-US000667.
                               520 GCATCGACTCCCTGCTG 536
                                                               ABQ63733 standard; DNA; 17 BP
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2000GB-00024263
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                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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27-SEP-2000;
04-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                     20-AUG-2002
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                                                                                                                                                                                                                                                                                                               ABQ63733
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                                                                                                                                                                                     RESULT 319
                                                                                                                                                                                                                     ABQ637
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New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as ancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABG63232)
                                                                                                                                                                   Human, KTOMla; KTOMl; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 3 A; 6 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                    Human KTOM1a portion (ABQ63232) probe # 448.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 2; Page 216; 418pp; English
                                                                                                                                                                                                                                                                                                                                                                               21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
40-OCT-2000; 2000US-0236359P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
23-MAY-2001; 2001WO-US000677.
23-MAY-2001; 2001WS-0US000677.
                                  ВP
                                                                                                                                                                                                                                                                                                                                                 21-SEP-2001; 2001WO-US029656
                                  ABQ63735 standard; DNA; 17
                                                                                                       20-AUG-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2002-479509/51.
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                                                                                                                                                                                                                                                                              WO200224750-A2.
                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                 28-MAR-2002
                                                                     ABQ63735;
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RESULT 320
ABQ63735
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DB 1; Length 17;

Score 13.8;

0.8%;

Query Match

0.8%;

Query Match Best Local Similarity

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Gaps ö

Length 17;

0.8%; Score 13.8; DB 1; Length 1 18.2%; Pred. No. 1.9e+02; ve 0; Mismatches 2; Indels

88.2%;

Conservative

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Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                RESULT 322
                                                                                                             ABQ64165
                                                                                                                              Db
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New human kidney tumor overexpressed membrane (KTOMI) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOMI which can manifest as cancer of the kidney, or as a disorder of e.g., liver or bone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a novel isolated nucleic acid encoding human KTOM1 (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOM1 nucleic acids may be used to diagnose, treat or monitor a disease caused by altered expression of human KTOM1. Compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOM1 which can manifest as cancer of the kidney, as well as a disorder of liver, bone marrow, brain, heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOM1a (ABQ63232)
                ö
                                                                                                                                                                                              Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
                 Gaps
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0
No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 4 A; 7 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                             Human KTOM1a portion (ABQ63232) probe # 451.
                 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; Page 216; 418pp; English.
         Pred.
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30-JAN-2001; 2001W0-US006661.
30-JAN-2001; 2001W0-US006663.
30-JAN-2001; 2001W0-US006666.
30-JAN-2001; 2001W0-US006666.
30-JAN-2001; 2001W0-US006666.
30-JAN-2001; 2001W0-US006667.
30-JAN-2001; 2001W0-US006667.
30-JAN-2001; 2001W0-US006667.
                   ô
                                         539
                                                        1 TCTACTCCCAGCTGGAG 17
                                                                                                                 BP.
                                                                                                                                                                                                                                                                                                                              2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
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                                                                                                                                                                                                                                                                                                          21-SEP-2001; 2001WO-US029656
         88.2%;
                                         523 TCGACTCCCTGCTGGAG
                                                                                                                 ABQ63738 standard; DNA; 17
                                                                                                                                                           (first entry)
                   15; Conservative
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            Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                21-SEP-2000;
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04-OCT-2000;
                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                           20-AUG-2002
                                                                                                                                                                                                                                                                                      28-MAR-2002
                                                                                                                                      ABQ63738;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zhang J;
                                                                                              RESULT 321
ABQ63738
                       Matches
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The invention relates to a novel isolated nucleic acid encoding human KTOMI (kidney tumour overexpressed membrane) protein. The protein of the invention has cytostatic activity. The nucleotide may have a use in gene therapy. The KTOMI nucleic acids may be used to diagnose, treat or compositions comprising the nucleic acids, proteins or antibodies may be used to treat subjects having defects in KTOMI which can manifest as used to treat subjects having defects in KTOMI which can manifest as heart, lung, kidney, colon, skeletal muscle, testis, uterus and placenta function. The sequence represents a probe used in the invention to scan the nt 1-1001 portion of human KTOMIa (ABQ631212)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New human kidney tumor overexpressed membrane (KTOM1) protein and nucleic acids encoding the protein, useful for treating subjects having defects in KTOM1 which can manifest as cancer of the kidney, or as a disorder of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; KTOM1a; KTOM1; kidney tumour overexpressed membrane; cytostatic; gene therapy; cancer; kidney; liver; bone marrow; brain; heart; lung; kidney; colon; skeletal muscle; testis; uterus; placenta; probe; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Human KTOM1a portion (ABQ63232) probe # 878.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 272; 418pp; English.
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27-SEP-2000; 2000US-023459F.
04-OCT-2000; 2000US-023459F.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
23-MAY-2001; 2001WO-US000667.
526 ACTCCCTGCTGGAGAAC 542
                                                            1 Acreceaecresadades 17
                                                                                                                                                                                                                                          ABQ64165 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-479509/51
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                                                                                                                                                                                                                                                                                                                     ABQ64165;
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ö Gaps ö Length 17; Query Match 0.8%; Score 13.8; DB 1; Length 1 Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels

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RESULT 323 ABV79503

BP. ABV79503 standard; DNA; 17

ABV79503;

03-JAN-2003 (first entry)

Human HTPL scanning oligonucleotide SEQ ID 749.

Human, gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Pacched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.

Homo sapiens

EP1229046-A2

07-AUG-2002.

28-JAN-2002; 2002EP-00001167.

30-JAN-2001;

30-JAN-2001; 2001WO-US000664. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000667. 30-JAN-2001; 2001WO-US000668. 23-JAN-2001; 2001WO-US000669. 23-MAY-2001; 2001US-00864761.

(AEOM-) AEOMICA INC

Zhan J;

WPI; 2002-676582/73

Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.

Example 2; Page 162; 718pp; English.

The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL has two isoforms, with a few single base pair differences between the cwo. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL shares an overall structure organisation with the Patched protein. The shares an overall structure organisation with the Patched protein. The shares an overall structure organisation with the Patched protein. The shared structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL gene was important in regulating male germ cell development, and the HTPL gene was maportant in regulating as potential twour suppressor. HTPL is mapped to human chromosome 10pl2.1. HTPL and its consistence of a medicament for treatment or prevention of therapy and manufacture of a medicament for treatment or prevention of the disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and foetal liver, bone marrow, brain, kidney, lung, placenta, prosette, skeleal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potenial therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention

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                          Gaps
                         .;
0
   Length 17;
                        2; Indels
Score 13.8; DB 1;
Pred. No. 1.9e+02;
0; Mismatches 2;
                         ô
                                               522 ATCGACTCCCTGCTGGA 538
                                                            1 AGCGACTCACTGCTGGA 17
 Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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Sequence 17 BP; 4 A; 5 C; 5 G; 3 T; 0 U; 0 Other;

X S

RESULT 324

ABV79992

ABV79992 standard; DNA; 17

BP.

ABV79992;

03-JAN-2003 (first entry)

Human HTPL scanning oligonucleotide SEQ ID 1238.

Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; human testis expressed Patched like protein; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.

Homo sapiens.

EP1229046-A2.

07-AUG-2002.

28-JAN-2002; 2002EP-00001167

30-JAN-2001; 2001WO-US000663. 30-JAN-2001; 2001WO-US0006654. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000668. 330-JAN-2001; 2010WO-US000669. 23-MAY-2001; 2010WS-008064761.

(AEOM-) AEOMICA INC.

Zhan J;

WPI; 2002-676582/73.

Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.

Example 2; Page 226; 718pp; English

The present invention relates to human testis expressed Patched like

protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL

chas two isoforms, with a few single base pair differences between the

two. One of the single base pair changes introduces a premature stop

codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL

shares an overall structure organisation with the Patched protein. The

shared structural features strongly imply that HTPL plays a role similar

cothat of Patched, and is a potential tumour suppressor. HTPL is

important in regulating male germ cell development, and the HTPL gene was

compared to human chromosome 10pl2.1. HTPL and its coding sequence are

useful for diagnosing a disorder caused by mutation in HTPL, and in

therapy and manufacture of a medicament for treatment or prevention of

such disorder associated with decreased expression or activity of human

HTPL. Such disporders include disorders of testis, or adrenal, adult and

cother and include disorders of testis, or adrenal, adult and

cother and manufacture of a medicament for prevention of

such disorder associated with decreased expression or activity of human

HTPL. Such disporders include disorders of testis, or adrenal, adult and

cother and manufacture or colon function. HTPL proteins and nucleic acids are

clinically useful diagnostic markers and potenial therapeutic agents for

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ABK18229
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8888888
                                                                                                                                                                                                                                                                                                                                                                                                                 Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
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                                                                                                                                                                       Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
cancer. The present oligonucleotide was used in an
                                                   Gaps
                                                   ö
                                     Length 17;
                                                   2; Indels
                       Sequence 17 BP; 2 A; 5 C; 4 G; 6 T; 0 U; 0 Other;
                                     0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
                                                                                                                                                           Human HTPL scanning oligonucleotide SEQ ID 748.
                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                        Example 2; Page 161; 718pp; English.
                                                                   1273 TCTTTGACTCTGATCCC 1289
                                                                                                                                                                                                                                                                      30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2011WO-US000668.
33-MAY-2001; 2011US-008064761.
09-OCT-2001; 2001US-008064761.
                                                                                                                    BP.
                                                                                 17
                                                                                                                                                                                                                                                        28-JAN-2002; 2002EP-00001167
                                                                               1 TCTGTGACTGTGATCCC
                                                                                                                    ABV79502 standard; DNA; 17
   male infertility and cances example from the invention
                                                                                                                                                 (first entry)
                                         Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                      (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-676582/73
                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                              EP1229046-A2
                                                                                                                                                                                                                                           07-AUG-2002.
                                                                                                                                                 03-JAN-2003
                                                                                                                                    ABV79502;
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The invention relates to a nucleic acid molecule (I) which down regulates contained an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, conditions are actions the mean action, retinopathy, macular degeneration, theorems and architis, psoriasis, verruca theorems and profibrom of tuberous sclerosis, port-wine stains, Sturge valgaris, angiofibrom of tuberous sclerosis, port-wine stains, Sturge weber syndrome, Rippel-Trenaumay-Weber syndrome, Osler-Weber-rendu comparise, stations, esteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. Leukaemia or tumour conditions suitable for the treatment. Leukaemia or tumour conditions suitable for the treatment. Leukaemia or tumour conditions with one or more of other therapies such as radiation or
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skeletal muscle or colon function. HTPL proteins and nucleic acids are clinically useful diagnostic markers and potential therapeutic agents for male infertility and cancer. The present oligonucleotide was used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; meovacular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous selerosis; port-wine stain; wound healing; surge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Sturge Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mcswiggen JA, Mclaughlin F, Randi AM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human ERG hammerhead ribozyme target sequence, Seq ID No 876.
                                                                                                                                                                                                                                                       Length 17;
                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                      Sequence 17 BP; 3 A; 6 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                       0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                      537
                                                                                                                                                                                                                                                                                                                                                                                                                                             ABK18229 standard; RNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-MAY-2001; 2001WO-US015866.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-MAY-2000; 2000US-00572021
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                                                                                                                                                                                                                                                                                                                                                                                                             521 CATCGACTCCCTGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                         Conservative
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                                                                                                                                                                                                                                                                                                         Similarity
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                                                                                                                                                                                                                                                                                                                                                15;
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                                                                                                                                                                                                                                                                            Query Match
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chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting the cell with (I). (I) is useful for cleaving RNA of ERG gene, by contacting (I) with RNA, in the presence of a divalent cation such as Mg24. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to the presence of ERG RNA in a cell. (I) is useful for opecifically targeting genes that share homology with ERG gene or ERG fusion genes. ARRIZ319 represent nucleic acid molecules which regulate expression of ERG, and enzymatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention
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Sequence 17 BP; 2 A; 12 C; 2 G; 0 T; 1 U; 0 Other;

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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 1.9e+02; Matches 14; Conservative 1; Mismatches 2; Indels
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Gaps

BP. ABK19135 standard; RNA; 17 RESULT 327 ABK19135

ABK19135;

Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofiproma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme; Human ERG Amberzyme target sequence Seq ID No 1782. (first entry) 09-APR-2002 amberzyme.

WO200188124-A2 Homo sapiens

16-MAY-2000; 2000US-00572021. 16-MAY-2001; 2001WO-US015866 22-NOV-2001.

Jarvis T, Von Carlowitz I, Mcswiggen JA, Mclaughlin F, Randi AM, WPI; 2002-082995/11.

(RIBO-) RIBOZYME PHARM INC. (GLAX) GLAXO GROUP LTD.

Novel polynucleotide which down regulates expression of Ets-related genuseful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.

Claim 4; Page 120; 149pp; English.

The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, neovascular glaucoma, myopic degeneration, arthritis, psoriasis, verruca vulgaris, angiofibroma of tuberous sclerosis, port-wine stains, Sturge Weber syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-rendu

the

Antibodies which selectively bind mammalian Ob receptors and inhibits binding of leptin to the mammalian Ob receptor, useful for diagnosing

.. M

White

Culpepper JA,

Tepper RI,

(CULP/) (WHIT/) V

(TEPP/)

MPI; 2002-413726/44. rartaglia LA,

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syndrome, leukaemia, osteoporosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour conjunctions suitable for the treatment. Leukaemia or tumour conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting (I) with RM, in the presence of a divalent cation such as Mg2+. (I) is useful for diagnostic tool to cation such as Mg2+. (I) is useful for diagnostic tool to examine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically cargeting genes that share homology with ERG gene or ERG fusion genes. ABK17154-ABK22719 represent nucleic acids, including antisense and cargamatic nucleic acid molecules which regulate expression of ERG, and cargamatic nucleic acid molecules which regulate expression of ERG, and cargamatic nucleic acid molecules which regulate expression of ERG, and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mouse; Ob receptor; ObR; leptin; body weight disorder; drug screening; gene therapy; Obesity; cachexia; anorexia; anorectic; anabolic; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse Ob receptor genomic DNA amplifying forward PCR primer #2.
                                                                                                                                                                                                                                                                                                                                     0.8%; Score 13.8; DB 1; Length 17; 32.4%; Pred. No. 1.9e+02; ved 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 10 A; 3 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                      218 GACTCTCATAGAAAAA 234
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95US-00566622.
95US-00569485.
95US-00570142.
95US-00599455.
96US-0059824.
96US-00708123.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-SEP-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 82.4
Matches 14; Conservative
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TEPPER R I.
CULPEPPER J A.
WHITE D W.
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28-DEC-1995;
22-JAN-1996;
26-APR-1996;
03-SEP-1996;
28-MAY-1997;
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04-DEC-1995;
08-DEC-1995;
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The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ObR) and inhibit the binding of leptin to the mammalian Ob receptor. ObR sequences are novel receptor proteins that commanian to be receptor. ObR sequences are novel receptor proteins that the introduction of mammalian body weight. The antibodies of participate in the control of enemt to be obtained as a part of diagnostic or prognostic technique in which can dutilised as a part of diagnostic or prognostic technique in which can dutilised in conjunction with, for example, compound screening schemes for the evaluation of the effect of test compounds on expression and/or activity of the Ob receptor gene product. The antibodies can be used in the normal and/or engineered Ob receptor expressing cells prior to their introduction into the patient. They may be used in the method for the introduction into the patient. They may be used in the method for the introduction of abnormal Ob receptor activity and can be used for drug inhibition of abnormal Ob receptor activity and can be used for drug inhibition of abnormal Ob receptor activity and can be used for drug inhibition of abnormal of notioning and/or the treatment of body weight can be present DNA sequence is a PCR primer which is used for amplifying the not limited to obesity, cachexia and anorexia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse; Ob receptor; ObR; leptin; body weight disorder; drug screening; gene therapy; obesity; cachexia; anorexia; anorectic; anabolic; PCR;
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88.2%; Pred. No. 1.9e+02;
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96US-00638524.
96US-00708123.
97US-00864564.
                           Col 62; 108pp; English.
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95US-00566622.
95US-00569485.
95US-00570142.
95US-00583153.
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treating weight disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                          15; Conservative
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TEPPER R I.
CULPEPPER J A.
                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
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08-DEC-1995;
11-DEC-1995;
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28-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                the invention
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primer; ss.
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The present invention relates to novel antibodies which selectively bind mammalian Ob receptors (ODR) and inhibit the binding of leptin to the mammalian Ob receptors (ODR) sequences are novel receptor proteins that commandal ob receptors. The antibodies of participate in the control of mammalian body weight. The antibodies of participate in the control of mammalian body weight. The antibodies of computation may be used to detect of Do receptor in a biological sample and utilised as a part of diagnostic or prognostic technique in which computation with, for example, compound screening schemes for utilised in conjunction with the gent cherapy techniques, for example, to evaluate conjunction with the gene therapy techniques, for example, to evaluate conjunction with the gene therapy techniques, for example, to evaluate conjunction into the patient. They may be used in the method for the introduction into the patient. They may be used in the method for the introduction into the patient. They may be used in the method for the correning, clinical trial monitoring and/or the treatment of body weight sorders including but not limited to obesity, cachexia and anorexia. The present DNA sequence is a PCR primer which is used for amplifying the nor the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                               Antibodies which selectively bind mammalian Ob receptors and inhibits the binding of leptin to the mammalian Ob receptor, useful for diagnosing and treating weight disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 3 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WNV Amberzyme substrate SEQ ID NO 5939.
                                                                                                                    Example; Col 62; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CACTATTTGCCCTTCAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amberzyme; Zinzyme; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-706994/76.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 15; Conserv
             WPI; 2002-413726/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       West Nile Virus.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myozerditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least the 2'-O-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                              New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 8394.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 6 A; 4 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                            Claim 23; SEQ ID NO 5939; 495pp; English
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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LD ACNO
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatis.

Inver failure, hepatocallular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, anucleic acid molecules further comprise at least five ribose residues, at least three of the S. terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatits, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; lifer failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                        0.8%; Score 13.8; DB 1; Length 17; 47.1%; Pred. No. 1.9e+02; artive 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WNV minus strand Amberzyme substrate SEQ ID NO 15011.
                                                                                                                                                                                                                                                                                                   Seguence 17 BP; 0 A; 9 C; 0 G; 0 T; 8 U; 0 Other;
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                     488 CTCGCCCTTCTACTTCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACN15008 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-APR-2004 (first entry)
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Best Local Similarity 47.17
Best Local 8; Conservative
                                                                                                                                                                                                                                                              molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Blatt L, Mcswiggen JA;
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Treating a condition related to WAV infection e.g. pancreatitis.

The molecule is wocarditis, meningitis, neurologic infection, hepatitis, inverted is selected from the group of ribozymes consisting of molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The Hammerhead, Inozyme further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a cleast three of the 5' terminal nucleotides and a 3' end modification of a 3'.3' inverted abasic molecy. Nucleic acid molecules SEQ ID NO 1094-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention
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nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                              Gaps
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Pred. No. 1.9e+02;
                                                                                                                                                                                                                                              2; Indels
                                                                                                                                                              Sequence 17 BP; 3 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
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                                                                                                                                                                                                                                              5; Mismatches
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                                                                                                                                                                                                                                                                                                             BP.
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                                                                                                                                                                                                           0.8%;
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                                                                                                                               molecule of the invention
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(MCSW/) MCSWIGGEN J A.
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                                                                                                                                                                                                                             Local Similarity
tes 10; Conserv
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                                                                             Gaps
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                                  0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                             WNV minus strand DNAzyme substrate SEQ ID NO 14019.
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Sequence 17 BP; 5 A; 4 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 23; SEQ ID NO 14019; 495pp; English.
                                                                                                                          1228 CTGACTCGGACGTTCCT 1244
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Best Local Similarity 52.9%;
Matches 9; Conservative 6
                                                                                                                                                                                                                                                               ACN14016 standard; RNA; 17 BP
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                                                                                                                                                 17 CTGAGTCGGACATTCCT
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                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                     15; Conservative
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amberzyme; Zinzyme; ss
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                                        Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           West Nile Virus
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                                                                                                                                                                                                                              RESULT 334
                                                                                                                                                                                                                                                     ACN14016
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WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver fallure; cancer; cirrhoais; Hammerhead; Inozyme; DNAzyme;

Amberzyme; Zinzyme; ss

West Nile Virus WO200268637-A2. 06-SEP-2002. 19-OCT-2001; 2001WO-US048350. 20-OCT-2000; .2000US-0242411P. (RIBO-) RIBOZYME PHARM INC.

ANV Amberzyme substrate SEQ ID NO 6463.

22-APR-2004 (first entry)

ACN06460;

ACN06460 standard; RNA; 17 BP

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least then 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                    WNV, West Nile Virus, antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; aneningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 58.8%; Pred. No. 1.9e+02; Matches 10; Conservative 5; Mismatches 2; Indels
                                                                                                                                                                                                                                                  WNV minus strand Amberzyme substrate SEQ ID NO 15012.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 3 A; 5 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 23; SEQ ID NO 15012; 495pp; English
1229 TGACTCGGACGTTCCTT 1245
                      ACN15009 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-OCT-2001; 2001WO-US048350
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                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RIBO-) RIBOZYME PHARM
(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blatt L, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                    Amberzyme; Zinzyme; ss
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                                                                                                                                                                                                                                                                                                                                                                                                        West Nile Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200268637-A2.
                                                                                                                                                                                                              22-APR-2004
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                                                                                                                                                                        ACN15009
                                                                                              RESULT 335
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New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.

Slatt L, Mcswiggen JA;

WPI; 2002-706994/76.

(BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

Claim 23; SEQ ID NO 6463; 495pp; English

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, woods of the West will be the companiate and the constitution of the constitution of the constitution, hepaticis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, Nakazyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least trace of the 5 terminal nuclecides and a 3 end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 8 A; 1 C; 8 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       505
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACN01953 standard; RNA; 17
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Best Local Similarity 88.2
Matches 15; Conservative
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1D ACN0199

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AC ACN0199

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DE WNV INC
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Gaps

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1228 CTGACTCGGACGTTCCT 1244
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1 CUGAGUCGGACAUUCCU 17

ઠ a RESULT 336 ACN06460/c

West Nile Virus.

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatilis, corresponding in wyocarditis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of molecule as selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Ambersyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 10 of 10 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid molecule that modulates replication of West Nile Virus (MNV), useful for treating a condition related to MNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; Amberzyme; Zinzyme; ss.
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88.2%; Pred. No. 1.9e+02;
.ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 23; SEQ ID NO 1943; 495pp; English
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hes 15; Conservative
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(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-706994/76.
                                                                                                                                                                                      West Nile Virus.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatis, encephalitis, myocarditis, meningitis, neurologic infection, hepatis, inver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5 terminal nuclectides and a 3 and modification of a least three of the 5 terminal nuclectides and a 3 and modification of a last three of the 5 terminal nuclectides and a 3 and modification of a last three of the 5 terminal nuclectides and a 3 and modification of a last three of the 5 terminal nuclectides and a 3 and modification of a last three for the facility of the strength of a nucleic acid in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                             New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WNV; West Nile Virus; antinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
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                                                                                                                                                                                                                                                                                                                                                                                     Claim 23; SEQ ID NO 8395; 495pp; English.
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                                                                                                                                       20-OCT-2000; 2000US-0242411P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.8%;
Local Similarity 47.1%;
les 8; Conservative
                                                                                                      19-OCT-2001; 2001WO-US048350
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                                                                                                                                                                           RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               molecule of the invention
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                                                                                                                                                                                                                                               Blatt L, Mcswiggen JA;
                                                                                                                                                                                             (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                 WPI; 2002-706994/76.
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                                   WO200268637-A2.
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                                                                  06-SEP-2002
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Matches
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
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                                                                                                                                                                                                             New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                              Claim 23; SEQ ID NO 11838; 495pp; English.
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                20-OCT-2000; 2000US-0242411P.
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                                                     RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 88.2
nes 15; Conservative
                                                                                                                                    Mcswiggen JA;
                                                 (RIBO-) RIBOZYME PHARM (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.
                                                                                                                                                                          WPI; 2002-706994/76.
                                                                                                                                    Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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Matches
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WNV DNAzyme substrate SEQ ID NO 5388. ACN05385 standard; RNA; 17 BP. (first entry) 22-APR-2004 ACN05385 RESULT 340 ACN05385/c

WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; encephalitis; hepatitis; lifection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; Amberzyme; Zinzyme; ss

West Nile Virus. WO200268637-A2.

06-SEP-2002

20-OCT-2000; 2000US-0242411P 19-OCT-2001; 2001WO-US048350

(RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis. WPI; 2002-706994/76.

Mcswiggen JA;

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Blatt

Claim 23; SEQ ID NO 5388; 495pp; English.

The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2.0-methyl modifications, phosphorothioate linkages on at least three of the 5' terminal nuclecides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention

Sequence 17 BP; 3 A; 5 C; 7 G; 0 T; 2 U; 0 Other;

Gaps . 0 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels Local Similarity 88.2 nes 15; Conservative Query Match Best Loca Matches

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1232 CTCGGACGTTCCTTCCG 1248 CGCGGACGTTCCATCCG 17 g ò

BP ACN08973 standard; RNA; 17 ACN08973; RESULT 341 ACN08973

22-APR-2004 (first entry)

WNV minus strand Hammerhead Ribozyme substrate SEQ ID NO 8976.

WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalltis; myocardiis; meningiis; infection; hepatotis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme; Amberzyme; Zinzyme; ss

West Nile Virus

WO200268637-A2.

19-OCT-2001; 2001WO-US048350 06-SEP-2002.

20-OCT-2000; 2000US-0242411P. (RIBO-) RIBOZYME PHARM INC

Blatt L, Mcswiggen JA;

(BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

MPI; 2002-706994/76..

New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.

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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatis, encephalitis, myocarditis, meningitis, neurologic infection, hepatis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DMAZyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5 terminal nucleotides and a 3 end modification of a least three of the 5 terminal nucleotides and a 3 end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
Claim 23; SEQ ID NO 8976; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             molecule of the invention
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Gaps .. 0.8%; Score 13.8; DB 1; Length 17; 52.9%; Pred. No. 1.9e+02; ive 6; Mismatches 2; Indels Seguence 17 BP; 3 A; 4 C; 4 G; 0 T; 6 U; 0 Other; 1226 TICTGACTCGGACGITC 1242 1: || : || || : | 1 UUCUGAGUCGGACAUUC 17 Query Match
Best Local Similarity کدریہ
Best Local 9; Conservative 8 셤

Tumour suppression related human fukutin oligo SEQ ID No 57. ABT34420 standard; DNA; 17 BP 12-JUN-2003 (first entry) ABT34420; RESULT 342 ABT34420/

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.

Homo sapiens

WO2003025175-A2.

27-MAR-2003.

17-SEP-2002; 2002WO-IB004208.

17-SEP-2001; 2001FR-00011978.

(MOLE-) MOLECULAR ENGINES LAB

Tuijnder M;

WPI; 2003-313353/30.

Telerman A, Amson R,

New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.

Disclosure; Page 40; 720pp; French.

The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identify to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting,

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identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, collypeptides, vectors containing the nucleic acids, cells containing the polypeptides are useful for vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell chapteration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in schizophrenia amples is useful for diagnosis and/or prognosis of these collips. The polypeptides can also be useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene chips. This polynucleotide sequence represents a tumour suppression calated human fukutin oligonucleotide of the invention
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Sequence 17 BP; 4 A; 7 C; 2 G; 4 T; 0 U; 0 Other;

Gaps .; 0 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; 2; Indels 0; Mismatches 15; Conservative Local Similarity Ouery Match Matches

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374 CTGGGAAGAGTGTAAGC 390 н 17 crescaacadrerdarc g ઠ

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ABT37737 standard; DNA; 17 RESULT 343 ABT37737

BP

ABT37737;

(first entry) 12-JUN-2003 Tumour suppression related human fukutin oligo SEQ ID No 3374.

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.

Homo sapiens.

WO2003025175-A2.

27-MAR-2003

17-SEP-2002; 2002WO-IB004208.

17-SEP-2001; 2001FR-00011978.

(MOLE-) MOLECULAR ENGINES LAB

relerman A, Amson R,

Tuijnder M;

WPI; 2003-313353/30.

New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.

Disclosure; Page 428; 720pp; French.

The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence, a sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for

29; 72pp; English.

Claim 3; Page

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production of recombinant polypeptides. Any of the nucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences for invention can be used in gene therapy. This polymcleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
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Sequence 17 BP; 3 A; 4 C; 4 G; 6 T; 0 U; 0 Other;

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           0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; ative 0; Mismatches 2; Indels
                                                         Ouery Match
Best Local Similarity 88.4.
Best Local Similarity 88.4.
Conservative
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ACA06296 standard; RNA; 17 BP

NFKB sub-unit modulating inozyme substrate #115.

(first entry)

03-JUN-2003

Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; colorectal cancer; brain cancer; lung cancer; cancer; lung cancer; cancer; lung cancer; RESULT 344
ACA66296
ID ACA66296
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DT NFKB 1
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Homo sapiens

JS2002177568-A1.

28-NOV-2002.

23-MAY-2001; 2001US-00864785

92US-00987132. 94US-00245466. 94US-00291932. 96US-00777916. 07-DEC-1992; 18-MAY-1994; 15-AUG-1994; 23-DEC-1996;

(STIN/) STINCHCOMB D (MCSW/) MCSWIGGEN J. (DRAP/) DRAPER K G.

Draper KG; Mcswiggen J, Stinchcomb DT,

WPI; 2003-340953/32.

Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.

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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a sequence encoding a subunit of nuclear factor criminal by (NFR), where (I) is an inozyme, ainzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat care to treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of EEL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or cultidung reastant cancer. The method involves use of other drug charapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, gemcitabine or radiation therapy. The enzymatic and antisense nucleic cyclophosphamide, doxorubin, fluorouracil carboplatin, edstrexate, gemcitabine or radiation therapy. The enzymatic and antisense such as cobesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury cepticion, gene therapy applications, ischaemia/reperfusion injury sepsis, allergic airway inflammation, inflammatory bowel disease or cinfection. This sequence represents the substrate of a novel enzymatic inflammation.
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ö Query Match

0.8%; Score 13.8; DB 1; Length 17;

Best Local Similarity 82.4%; Pred. No. 1.9e+02;

Matches 14; Conservative 1; Mismatches 2; Indels Seguence 17 BP; 6 A; 9 C; 0 G; 0 T; 2 U; 0 Other;

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Gaps

988 CCACCAACAACCCCTCC 1004 17 1 CCAACAACAACCCCUUC ò 셤

RESULT 345

NFKB sub-unit modulating zinzyme substrate #99. ACA07700 standard; RNA; 17 03-JUN-2003 (first entry) ACA07700; ACA07700

Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; brain cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cisplatin; methotraxte; cyclophosphamide; docetaxel; cisplatin; methotraxate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammatory bowel disease; infection; se.

Homo sapiens

JS2002177568-A1.

28-NOV-2002

23-MAY-2001; 2001US-00864785

92US-00987132. 07-DEC-1992; 18-MAY-1994;

```
The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer. The method involves use of other drug multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including pacilitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edarrexate, cyclophosphamide, are also useful for treating inflammatory disease such as cid molecules are also useful for treating inflammatory disease such as chemutoding perintense, lighted sclerosis, transplant/graft carboticin, gene therapy applications, isohamia/reperfusion injury contents and last and last and last and last and last and also seeful and contents and also seeful as the chemutoding resistant or miluing restributions, injury and contents and also seeful as the chemis and also seeful and articines, transplant/graft contents and also seeful as the contents and and articines are also seeful as the contents and also seeful as the contents and and articines and
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94US-00291932
96US-00777916
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                                                                                                              (MCSW/) MCSWIGGEN J
(DRAP/) DRAPER K G.
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MCSWIGGEN J
  15-AUG-1994;
23-DEC-1996;
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a minozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, gloma or corrical, head and neck, ovarian cancer, melanoma, lymphoma, gloma or therapies such as monoclonal antibodies, REL-A-specific inhibitors or therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, commenced arthritis, restenosis, asthma, crobin's disease such as recented and molecules are also useful for treating inflammatory disease such consist, authain nervous system (CNS) and myocardial), glomerulonephritis, cepticion, gene therapy applications, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic infection. This sequence represents the substrate of a novel enzymatic
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gene therapy; autoimmune digease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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32.4%; Pred. No. 1.9e+02;
[ve 1; Mismatches 2; Indels
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94US-00291932.
96US-00777916.
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les 14; Conservative
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                                                                                               Homo sapiens.
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15-AUG-1994;
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NFKB sub-unit modulating DNAzyme substrate #24.

Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; ung cancer; colorectal cancer; brain cancer; colorectal cancer; brain cancer; brain cancer; human; cancer; cervical cancer; atomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glloma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxate; cisplatin; methotraxate; chemotherapy; paclitaxate; fluorauracil carboplatin; edatrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; pheumatoid arthritis; restenoâis; Grobn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; se.

ACA06298

Homo sapiens.

JS2002177568-A1

28-NOV-2002

23-MAY-2001; 2001US-00864785

92US-00987132. 94US-00245466. 94US-00291932. 96US-00777916. 07-DEC-1992; 18-MAY-1994; 15-AUG-1994; 23-DEC-1996;

(STIN/) STINCHCOMB D T. (MCSW/) MCSWIGGEN J. (DRAP/) DRAPER K G.

Draper KG; Mcswiggen J, Stinchcomb DT,

WPI; 2003-340953/32.

Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.

Claim 3; Page 43; 72pp; English.

The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG-2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide also useful for treating inflammatory disease such as theumatoid arthritis, restences, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft (rejection, gene therapy applications, ischemialar/reparticion, gene herapy applications, ischemialar/reparticion, gene herapy applications, ischemialar/reparticion, gene herapy applications, ischemialar/reparticion, gene herapy application, inflammatory bowel disease or infection, millammatory inflammatory bowel disease or infection, millammatory inflammatory bowel disease or infection, and molecules are and such as a novel enzymatic nucleic acid molecule

Seguence 17 BP; 6 A; 9 C; 0 G; 0 T; 2 U; 0 Other;

0.8%; Score 13.8; DB 1; Length 17;

Query Match

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Best Local Similarity 82.4%; Pred. No. 1.9e+02; Matches 14; Conservative 1; Mismatches 2;
                                          989 CACCAACAACCCCTCCC 1005
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Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glloma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; ciaplatin; methotrexate; corentarepy; adolitaxel; fluorouxacil carboplatin; ddatrexate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatorid arthritis; restenosis; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss. NFKB sub-unit modulating inozyme substrate #117. ACA06298 standard; RNA; 17 BP 03-JUN-2003 (first entry) ACA06298;

Homo sapiens.

JS2002177568-A1.

28-NOV-2002

23-MAY-2001; 2001US-00864785.

92US-00987132. 94US-00245466. 94US-00291932. 96US-00777916. 07-DEC-1992; 18-MAY-1994; 15-AUG-1994; 23-DEC-1996;

(STIN/) STINCHCOMB D T. (MCSW/) MCSWIGGEN J. (DRAP/) DRAPER K G.

Draper KG; Stinchcomb DT, Mcswiggen J,

WPI; 2003-340953/32.

Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.

Claim 3; Page 29; 72pp; English.

The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg²2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, osephageal, stomach, bladder, pancreatic, cervical, head and neck ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate,

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Gaps

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Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, gemcitabine or radiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatory disease such as rheumatorid arthritis, restenosis, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury (central nervous system (CNS) and myocardial), glomerulonephritis, seppsis, allergic airway inflammation, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic nucleic acid molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; oesophageal cancer; stomach cancer; bladder cancer; pancreatic cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; doctaxxel; cisplatin; methotrexate; cyclophosphamide; doctaxxel; cisplatin; methotrexate; cyclophosphamide; doctaxxel; inflammatory disease; asthma; diabetes; pheumatoid arthritus; restenoâis; Crohn's disease; obesity; ischaemia; genc therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
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                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17; 82.4%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                        Seguence 17 BP; 6 A; 8 C; 1 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NFXB sub-unit modulating inozyme substrate #213.
                                                                                                                                                                                                                                                                                                   1; Mismatches
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                                                                                                                                                                                                                                                                                                                                      992 CAACAACCCTCCCAGG 1008
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94US-00291932.
96US-00777916.
                                                                                                                                                                                                                                                                                                                                                              1 CAACAACCCCUUCCAAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACA06394 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-MAY-2001; 2001US-00864785.
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                                                                                                                                                                                                                                                                                 Best Local Similarity
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23-DEC-1996;
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                                                                                                                                                                                                                                                                Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 349
ACA06394
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The invention describes an enzyment muteric attumination and the propertion of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a call, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg-2+. The enzymatic and antisense mucleic acid molecules are useful for treating breast, lung, crostate, colorectal, brain, oseophagel, stoomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug multidrug resistant cancer. The method involves use of other drug chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide doxorubin, fluorouracil carboplatin, emthotrexate, cyclophosphamide doxorubin, fluorouracil carboplatin, enthotrexate, caid molecules are also useful for treating inflammatory disease such a cid molecules are also useful for treating inflammatory disease such a rejection, gene therapy applications, ischeemia/reperfusion injury (central nervous system (CNS) and myocardial), glomerulonephritis, restenosis, asthma, promerulonephritis, sequence represents the substrate of a novel enzymatic nifection. This sequence represents the substrate of a novel enzymatic
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describes an enzymatic nucleic acid molecule (I) which dowr
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Pred, No. 1.9e+02;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 4 A; 8 C; 4 G; 0 T; 1 U; 0 Other;
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94US-00245466.
94US-00291932.
96US-00777916.
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Best Local Similarity 82.4%;
Matches 14; Conservative
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18-MAY-1994;
15-AUG-1994;
23-DEC-1996;
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Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 82.4%; Pred. No. 1.9e+02; Matches 14; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 9 C; 4 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                               NFKB sub-unit modulating inozyme substrate #336.
                          Mcswiggen J, Draper KG;
                                                                               Claim 3, Page 30, 72pp, English.
                                                                                                                                                                                                                                                                                                         1505 CCCCAGCCTCCAGGCCC 1521
                                                                                                                                                                                                                                                                                                                1 CCCCAGCCUGCAGGCUC 17
                                                                                                                                                                                                                                                                                                                                                       ACA06517 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                  03-JUN-2003 (first entry)
(STIN/) STINCHCOMB D T.
(MCSW/) MCSWIGGEN J.
(DRAP/) DRAPER K G.
                                                                                                                                                                                                                                                    nucleic acid molecule
                                       WPI; 2003-340953/32.
                          Stinchcomb DT,
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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a sequence encoding a subunit of nuclear factor regulation. The BLASMALL of the configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat to treat in a cell, for cancer and is useful for cleaving RNA comprising a sequence of ERL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stoomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidung resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, gencitabine or radiation therapy. The enzymatic and antiennes nucleic acid molecules are also useful for treating inflammatory disease such as theumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury centerion, gene therapy applications, ischaemia/reperfusion injury sepsis, allergic airway inflammation, inflammatory bowel disease or infection. This sequence represents the substrate of a novel enzymatic nucleic acid molecule
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94US-00291932.
96US-00777916.
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ID ADA99701 standard; DNA; 17 BP
XC ADA99701;
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DT 20-NOV-2003 (first entry)
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DE Human MDZ3 scanning oligonucl
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15-AUG-1994;
23-DEC-1996;
                                 Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG<sup>2</sup>+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stoomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphanide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphanide are also useful for treating inflammatory disease such a release, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischemia/reperfusion influry sepsis, allergic alrway inflammation, inflammatory bowel disease or infection. The sequence represents the substrate of a novel enzymatic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
     Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ4; MDZ4; MDZ1; chromosome 7g22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                               New zinc finger-containing proteins and nucleic acids, useful in manifacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               present invention relates to novel human zinc finger-containing
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                                                                                                                                                                                                                                                                                                                                    Shannon M, Gu Y, Nguyen C;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-423107/40.
                                                                                                                                                                                                                                                                                                  (AEOM-) AEOMICA INC
                                                                                                                                                EP1281758-A2
                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                     05-FEB-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ7, MDZ12. MDZ3 is concoded at chromosome 7q22.1, MDZ4 is encoded at chromosome 6p12.3-22.2, MDZ4. is encoded at chromosome 16p11.2 and MDZ12 is encoded at chromosome 16p1.3 and MDZ12 is encoded at chromosome 16p1.2 and MDZ12 is encoded at chromosome 16p1.2 and MDZ12 is encoded at chromosome 16p1.2 and MDZ12 is encoded at chromosome 2cc or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3. MDZ4, MDZ7, or MDZ12. The nucleic caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapoutle agents for gene therapy or as proteins are useful as therapoutle agents for gene therapy or as yeccines. The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ12; chromosome 7g22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15g26.1; cancer; developmental disorder; ss.
                                                                                                                                                                                                                                                                  New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 13.8; DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seguence 17 BP; 4 A; 7 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human MDZ4 scanning oligonucleotide SEQ ID 3399.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 1.96
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                        Example 8; SEQ ID NO 1453; 103pp; English.
                                                                                                                                                                                                                                                                                                                                 MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
                                                                         30-JUL-2002; 2002EP-00016874.
                                                                                                               02-AUG-2001; 2001US-00922181.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JUL-2002; 2002EP-00016874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-AUG-2001; 2001US-00922181
                                                                                                                                                                                             Shannon M, Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          926 GGGCTGCCTGCGGATGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 88.2
hes 15; Conservative
                                                                                                                                                                                                                                  WPI; 2003-423107/40.
                                                                                                                                                      (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
  EP1281758-A2.
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                                    05-FEB-2003.
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Matches
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                                                                                                                                                                       The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is concoded at chromosome 7q22.1, MD24 is encoded at chromosome 6p21.3-22.2, MD27 is encoded at chromosome 16p1.2 and MD212 is encoded at chromosome 15q26.1. The MD23, MD24, MD27, and MD212 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23. MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids can also be used as probes to detect and characterize gross alterations in MD23, MD24, MD21, genetic locus. The probes are useful in constructing microaarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degemerative, disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                               New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 3 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                   Example 8; SEQ ID NO 3399; 103pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HCV DNAzyme substrate sequence #632.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         464 GCTTGAGGAGTTCCTGA 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-MAR-2002; 2002WO-US009187
                           Gu Y, Nguyen C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACD58046 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                     WPI; 2003-423107/40
 (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis C virus
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                            Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACD58046;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 355
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymes, zinzymes, amberzymes, and aptamerhead ribozymes. DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, c inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carrings are minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                     Lee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 13.8; DB 1; Length 17; 47.1%; Pred. No. 1.9e+02; ative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                  Pavco P,
                                                                                                                                                                                                                                                                                                                  Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 2 A; 1 C; 7 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HCV DNAzyme substrate sequence #2161.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 245; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1400 TGTGGATGTTGCTTTTG 1416
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RIBOZYME PHARM INC.
BLATT L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 47.1
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                   Roberts E;
                                                     MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                                     Macejak D,
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-229207/22
                                                                                                                                                                                                                                                  ROBERTS E.
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                                                                                                                                                                                                                                                                                                                  Blatt L, M
Draper K,
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                                                        (MACE/) N (MCSW/) N (MORK/) N (PAVC/) I (LEEP/) I (DRAP/) I (DRAP/) I (ROBE/) I
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, Inspanse, amberzymes, and enzymes, anterior acids are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase and/or HBV reverse transcriptase and/or HBV reverse transcriptase and/or potential therefore to modulate the expression of HBV DNA. The nucleic acids may be used to modulate the expression of HBV COMPOUNDS and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds computed to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
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                                                                                                                                                                                                                                                                                                                                                                                                 Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
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                                                                                                                                                                                                                                                                                                                             Lee
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                                                                                                                                                                                                                                                                                                                          Mcswiggen J, Morrissey D, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 3 A; 5 C; 2 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HCV minus strand DNAzyme substrate sequence #735.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Page 272; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           689 GAGGCCTCACTTCTTCT 705
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08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
                                           26-MAR-2002; 2002WO-US009187
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                                                                                                                                                                        RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                             Macejak D,
Roberts E;
                                                                                                                                                                                                MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-229207/22
                                                                                                                                                                                                                                                                 LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                ROBERTS E.
                                                                                                                                                                                                                                                  PAVCO P.
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                17-OCT-2002
                                                                                                                                                                                                                                                                                                                             Blatt L, N
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                        infection.
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                                                                                                                                                                                                                                               (PAVC/)
(LEEP/)
(DRAP/) I
(ROBE/) F
                                                                                                                                                                                   (BLAT/)
(MACE/)
(MCSW/)
                                                                                                                                                                      (RIBO-)
                                                                                                                                                                                                                                     MORR/)
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2×2×2×2×2×
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, anderzymes, amberzymes, answers and G-cleaver ribozymes. Also disclosed inozymes, zinzymes, amberzymes, and aptamers that bind to HBV reverse transcriptase primer sequences, as well are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV CC genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene carcinoma. The present sequence represents a substrate for one of the HCV procession such as cirrhosis, liver failure, and hepatocellular continues are and BNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
RNA stability; RNA expression; RNA synthesis; antisense; enzyme; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer. HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
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88.2%; Pred. No. 1.9e+02;
.ive 0; Mismatches 2; Indels
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                                                                                                             virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Page 288; 387pp; English.
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08-JUN-2001, 2001US-00877478.
08-JUN-2001, 2001US-0296876P.
24-OCT-2001, 2001US-0335059P.
05-DEC-2001, 2001US-0337055P.
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Best Local Similarity 88.2
Matches 15, Conservative
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Roberts E;
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MACEJAK D.
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                                                                                                                                                 Hepatitis C virus.
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DRAPER K.
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                                                                                                                                                                                       WO200281494-A1
                                                                                                                                                                                                                           17-OCT-2002.
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Draper K,
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New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                               17-SEP-2002; 2002WO-IB004219.
                                               WO2003040369-A2
                        Homo sapiens
diagnosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying uncleic acid, e.g. as one component of a gene chip; in vitro as (anti)sense reagents; and (2) for production of recombinant polyspetides. The oligonucleotides are useful for preparation of pharmaccuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia
                                                                                                                                                                                                                                                                                                                                                                                 New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                   Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; ss.
                                                                                                Murine oligonucleotide associated with tumour supression, SEQ ID 4884.
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
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(first entry)
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                                                                                                                                                                                                            WO2003025176-A2.
                                                                                                                                                                                     Mus musculus
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04-DEC-2003
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                                                  ACC67637;
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 RESULT 358
ACC67637
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ADB39727/C
ID ADB39
XX
AC ADB39
AC ADB30
DT 18-DE
DT 04-DE
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Disclosure; Page 37; 771pp; French

Tuijnder M;

Telerman A, Amson R, WPI; 2003-441574/41.

MOLE-) MOLECULAR ENGINES LAB

17-SEP-2001; 2001FR-00011981.

15-MAY-2003

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fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying and unitarity of amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to preper transgenic animals, as recombinant polypeptides, and to prepare transgenic animals, as recombinant the polypeptides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expression of the nucleotides.
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cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;

Tumour suppression/reversion associated nucleotide #50.

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This invention relates to novel isolated nucleic acid sequences involved in the phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses. The invention may be useful for the covelopment of compounds with a cytostatic, virucide, neuroprotective, notropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or tree amplifying nucleic acid, for example as one component of a gene chip, in vitro as antisense reagents and for production of recombinant polypeptides. The invention may therefore be useful for preparation of polypeptides. The invention may therefore be useful for preparation of present sequence but also Alzheimer's disease and schizophrenia. The present sequence data for an uncleic acid sequence of the invention. Note: The sequence data for this patent did not form part of the printed of the invention in the feature of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                17-SEP-2002; 2002WO-IB004523.
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WO2003025177-A2.
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                                                                          27-MAR-2003
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XX IIT-ON
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XX XX HUMMAI
KW AUTI-
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the intiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an entitle manatory steroid and ubiquinone. A composition of the invention than antishlammatory antiallergic, antiachmeatic, hypotensive, communosuppressive, and cytostatic activity. The composition may have a immunosuppressive, and cytostatic activity. The composition may have a composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing levels of adenosine creceptor, producing sensitivity to adenosine, reducing levels of definione or lung surfactant in a subject's tissue, or treating bronchodilation, increasing levels of ubiquinone or creceptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, concern the sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO cut they wipo.int/pub/published_pot_sequences
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                                                                                                                                                                               Pharmaceutical composition for treating ailments associated with impaired respiration, has Oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
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                                                                              Pabalan J,
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                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 9413; 872pp; English.
                                                                                 Katz E,
                                                                                 Li Y, Sandrasagra A, K
Tang L, Shahabuddin S;
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24-APR-2001; 2001US-0286137P.
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                                         (EPIG-) EPIGENESIS PHARM INC.
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Best Local Similarity 88.2 Matches 15; Conservative
                                                                                                                                                WPI; 2003-229219/22.
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                                                                                 Nyce JW, I
Miller S,
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Gaps ;

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24-APR-2001; 2001US-0286137P.

(EPIG-) EPIGENESIS PHARM INC

Pabalan J, Aguilar D; Katz E, Li Y, Sandrasagra A, Tang L, Shahabuddin Nyce JW, I Miller S,

WPI; 2003-229219/22

Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or ubiquinone.

Disclosure; SEQ ID NO 10289; 872pp; English.

The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the intitation coodon, coding regaion, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallargic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an preventing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject, for treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition, note: The sequence date for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences

Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other;

Gaps ö 0.8%; Score 13.8; DB 1; Length, 17; 88.2%; Pred. No. 1.9e+02; tive 0; Mismatches 2; Indels Best Local Similarity 88.2 Matches 15; Conservative Query Match

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ADL48005 standard; RNA; 17

ADL48005;

(first entry) 20-MAY-2004

Human IKK-gamma substrate sequence #515.

antisense oligonucleotide; neurite growth inhibitor; NOGO; proseaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; restenosis; asthma; crohn's disease; diabetes; obesity; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepais; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma; substrate;

Unidentified

MO200281628-A2

Fosnaugh K; Haeberli P, Mcswiggen J, 05-APR-2001; 2001US-00827395. 29-MAY-2001; 2001US-0294412P. 28-AUG-2001; 2001US-0315315P. 03-APR-2002; 2002WO-US010512 (RIBO-) RIBOZYME PHARM INC. Chowrira B, WPI; 2003-058513/05 Blatt L,

Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.

Claim 59; SEQ ID NO 1538; 317pp; English.

The invention comprises nucleic acids (e.g. antisense oligonucleotides)

that down regulate the expression or inhibit the function of a receptor

for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (FTGRR),

fasppB kinase (IKK), or protein kinase PKR. The nucleic acids of the

invention are useful for treating: cerebrovascular accident, central

nervous system (GKS) injury, spinal cord injury, cancer (e.g. melanoma,

conglioma), inflammatory disease (e.g. rheumatoid arthritis,

restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune

disease, lupus, multiple sclerosis, transplant/graft rejection,

cischemia/reperfusion injury, glomerallonephritis, sepsis, and allergic

conditions (e.g. asthma, allergic rhinitis or acopic dermatitis). The

nucleic acids of the invention are also useful for down-regulating the

expression of a target gene and as a diagnostic tool to examine genetic

drifts and mutations within diseased cells or to detect the presence of a

target RNA in a cell. The present RNA sequence represents a human IKK
gamma substrate sequence.

Sequence 17 BP; 3 A; 6 C; 3 G; 0 T; 5 U; 0 Other;

Gaps .; 0 Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 58.8%; Pred. No. 1.9e+02; es 10; Conservative 5; Mismatches 2; Indels

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697 ACTICITICITICCOAAG 713 17 1 ACUUCUGCUGUCCCAAG ઠે

ADL50256/c ID ADL50256 standard; RNA; 17 BP. RESULT 364

ADL50256;

Human PKR substrate sequence #1370.

20-MAY-2004 (first entry)

antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; gainal cord injury; cancer; melanoma; Iymphoma; glioma; inflammatory disease; rheumatoid arthritis; restennosis; asthma; Crohn's disease; diabetes; obesity; autorimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; human PKR;

Jnidentified.

substrate; ds

WO200281628-A2

17-0CT-2002

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The invention comprises nucleic acids (e.g. antisense oligonucleotides)

that down regulate the expression or inhibit the function of a receptor

to a neurite growth inhibitor, NOGO, prostagiandin DZ receptor (PTGDR),

in the function are useful for treating: carebrovascular acids of the

invention are useful for treating: carebrovascular acident, central

nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,

c lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,

restenosis or asthma), frohn's disease, diabetes, obesity, autoimmune

disease, lupus, multiple sclerosis, transplant/graft rejection,

cischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic

conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The

mucleic acids of the invention are also useful for down-regulating the

expression of a target gene and as a diagnostic tool to examine genetic

drifts and mutations within diseased cells or to detect the presence of a

chief that a cell. The present RNA sequence represents a human PKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; centerin kinase PKR; cerebrovascular accident; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; authritis; autoimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; Human IKK-gamma;
                                                                                                                                                                                                                                                                        Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
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88.2%; Pred. No. 1.9e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 8 A; 6 C; 1 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                  Chowrira B, Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                Claim 59; SEQ ID NO 3789; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human IKK-gamma substrate sequence #890.
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                                                                             05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                       03-APR-2002; 2002WO-US010512.
                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC.
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17-OCT-2002
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (PTGDR),
is kappab kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating; cerebrovascular accident, central
nervous system (CKS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. theumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant(yark rejection,
restenosis (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
diifts and mutations within diseased cells or to detect the presence of a
diffic and mutation are also useful.
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                                                                                                                                                                                                                                                               Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
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                                                                                                                                                                                           Blatt L, Chowrira B, Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                     Claim 59; SEQ ID NO 1913; 317pp; English.
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29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                     03-APR-2002; 2002WO-US010512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADM09485 standard; RNA; 17
                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            gamma substrate sequence.
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The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTCDR),
IXappaB kinase (IKK), or protein Kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (IKS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant(graft rejection,
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
cxpression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target combatise.
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                                                                                                                                                                                                                               Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
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                                                                                                                                                                    Fosnaugh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 7 C; 5 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                  Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human GRID mRNA substrate sequence #440.
                                                                                                                                                                                                                                                                                                           Claim 9; SEQ ID NO 880; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      receptor amberzyme substrate sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1117 CCTTGCTGGAGCAGCTG 1133
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                                                              05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                03-APR-2002; 2002WO-US010512
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                                                                                                                                  RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                    Blatt L, Chowrira B,
                                                                                                                                                                                                     WPI; 2003-058513/05
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 17-OCT-2002
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(JARV/) JARVIS T.

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The invention relates to a nucleic acid molecule that down-regulates copyression of Grb2-related with insert domain (GRID) gene, e.g. a hammerhead ribozyme, NCH ribozyme, G-Cleaver ribozyme, Zinzyme, DNAzyme, CC amberzyme, Inozyme or hairpin ribozyme. Also include are a mammalian cell including the novel nucleic acid molecule, reducing GRID activity in a cell by contacting the cell with the novel nucleic acid molecule.

CC treating a patient having a condition associated with the level of GRID (e.g. tissue/graft rejection or leukaemia) by contacting the cell with the novel nucleic acid molecule, an expression contacting the cell with the novel nucleic acid molecule, an expression correction and nucleic acid molecule in a manner that allows its expression), a nucleic acid molecule in a manner that allows its expression), a condimination cell including the expression vector and an enzymatic nucleic acid molecule is useful for treating a condition associated with the level of CM acid molecule for treating a condition associated with the level of CM a target region for the enzymatic nucleic acids of the invention.
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                                                                                                                                                                 New nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and
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                                                                                           Ellis JH;
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88.2%; Pred. No. 1.9e+02;
rative 0; Mismatches 2; Indels
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                                                                                       Mcswiggen J, Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 3 A; 4 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                   Claim 4; SEQ ID NO 440; 74pp; English
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nes 15; Conservative
                                                                                           Jarvis T, Carlowitz IV,
CARLOWITZ I V.
MCSWIGGEN J.
HAMBLIN P A.
ELLIS J H.
                                                                                                                               WPI; 2003-829646/77
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                                                                                                                                                                                                                                   leukemia.
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Matches
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Pabalan J, Aguilar D;

Katz E,

Sandrasagra A, Ka ,, Shahabuddin S;

Li Y, Sar Tang L,

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This invention describes a novel composition (a) a first active agent, comprising oligonuclectides, effective for alleviating comprising oligonuclectides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and bronchoconstriction, respiratory tract inflammation, allergies and controlled adenosine (A) or (A) receptors, creducing adenosine and the derived from a gene encoding or regulating capression of a target polypeptide associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung device, in separate containers, (b) the oligonuclectides, (c) device, in separate containers, (b) the oligonuclectides, (c) the invention has antiallergic, antiinflammatory, antiachmatic, of the invention has antiallergic, antiinflammatory, antiachmatic, is a composition comprises oligo and is administered and cytostatic activity, is a composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The composition such and/or bronchoconstriction and/or lung pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction, respiratory inflammation, emphysema, chronic obstructive bulmonary disease, pulmonary disease, pulmonary disease, pulmonary obstruction, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to the inflammation, emphysema, chronic obstructive bulmonary disease, pulmonary corresponding to thymidines present in the target RNA serves to prevent the breaken of the oligonucleotides into products that free adenosine onten of the anti-sense oligos corresponding to the oligonucleotides into product that the pulmonary corresponding of the oligonucleotides into product of the oligonucleotides into product the oligonucleotides into prod
                                                                                                                                                                                                         Pharmaceutical composition for treating asthma, has antisense oligomuclectide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and bronchodilating agent.
                                                                                                                                                                                                                                                                                                                                                    Claim 15; SEQ ID NO 9413; 763pp; English
                       (EPIG-) EPIGENESIS PHARM INC.
                                                                                                                                                           WPI; 2003-093058/08.
                                                                             Nyce JW, 1
Miller S,
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Human, antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic, antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; .. 0 0.8%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.9e+02; tve 0; Mismatches 2; Indels Human adenosine Al receptor oligonucleotide fragment 910. Sequence 17 BP; 2 A; 5 C; 9 G; 1 T; 0 U; 0 Other; 1530 GCCCAGCCTCTCCCCGC 1546 ABD18895 standard; DNA; 17 BP. 88.28; 17 ecccheccrerecces (first entry) 15; Conservative Local Similarity 29-JUL-2004 ABD18895; Query Match RESULT 369
ABD1895/C
ID ABD186
XX
AC ABD1/
XX
DT 29-7
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KW T
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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung expression or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) device, in separate containers, (b) the oligonucleotides, (c) analyser, device, in manuscuppressive and cytostatic activity, is a canterious for adding a carrier and for use of the kit. The composition of the invention as antiallergic, antialflammatory, antiasthmatic, or composition comprises oligon and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The composition such and/or bronchoconstriction and/or lung pulmonary vasconeriction, allergies and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or hung inflammation, allergies and/or bronchoconstriction and/or hung inflammation, allergies and/or bronchoconstriction and/or respiratory transplantation rejection, pulmonary vasconeric the reduced adenosine content of the anti-sense oligos corresponding to the reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that free adenosine the breaden of the oligonucleotides into products that free adenosine or the oligonucleotides into products are sensitive.
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emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted truncleic acids associated with lung airway or lung dysfunction, and
                                                                                                                                                                                                                                                                                                                                      Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ;
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                                                                                                                                                                                                                                                                                                                                           Katz E,
                                                                                                                                                                                                                                                                                                                                                Li Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
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les 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               bronchodilating agent
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                                                                                                                         WO200285309-A2.
                                                                               Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                  Nyce JW.
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88.

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The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (OBR), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, accidexia, bullinia, AIDS (acquired immune deficiancy syndrome)-related and cancer-related wasting. The present sequence is mouse genomic DNA amplifying famj5312-derived PCR primer. This primer is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
AIDS-related wasting; cancer-related wasting; acquired immune deficiency syndrome; therapy; murine; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      nucleotide polymorphism; SNP; 88; primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Culpepper JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 8; SEQ ID NO 25; 112pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exemplification of the invention.
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95US-00566622.
95US-00570142.
95US-00583153.
96US-0059855.
96US-00598545.
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                                                                                                                                                                                                                                                                                                                                                                                                (MILL-) MILLENNIUM PHARM INC
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                                                                                                                                                                    2002US-00079625
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Best Local Similarity 88.2
Matches 15, Conservative
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                                                                                            US2002182676-A1.
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04-DEC-1995;
08-DEC-1995;
11-DEC-1995;
28-DEC-1995;
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03-SEP-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to the identification and characterisation of nucleotides that encode obese receptor (ObR), a receptor protein that participates in mammalian body weight regulation. The invention is useful for diagnosis and prognosis of body weight disorders including obesity, cachexia, anorexia, bulimia, AIDS (acquired immune deficiency syndrome) - related and cancer-related wasting. The present sequence is mouse genomic DNA amplifying fami5112-derived PCR primer. This primer is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New nucleic acid encoding an Ob receptor protein is useful to provide treatment for weight disorders, particularly anorexia, cachexia, bulimia, AIDS-related wasting or cancer-related wasting, or obesity.
                                                                                                            Obese receptor gene; ObR gene; body weight regulation; diagnosis; prognosis; body weight disorder; obesity; cachexia; anorexia; bulimia; AIDS-related wasting; cancer-related wasting; as acquired immune deficiency syndrome; therapy; murine; PCR; primer; 88.
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                                                                          Mouse genomic DNA amplifying famj5312-derived forward PCR primer #3
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88.2%; Pred. No. 1.9e+02;
ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           White DW;
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95US-00566622.
95US-00570142.
95US-00583153.
96US-00598455.
96US-00598524.
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                                       (first entry)
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les 15; Conservative
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                                       11-MAR-2004
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08-DEC-1995;
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22-JAN-1996
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Gaps

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Query Match

Matches

8 g ADG63000;

EXXXXXXXXXX

RESULT 371

ADG63000

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the treatment of HCV infections, especially in combination with type interferons. The present sequence represents a HCV DNAzyme substrate
                          sequence.
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                                                                                                                                                                       RESULT 374
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for
                                                                                                                                        The present invention relates to a polynucleotide isolated from a human gene and is useful for detecting a single nucleotide polymorphism in a human gene or for diagnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The
                                                                                                                                                                                                                                                      Gaps
                                                                       Novel polynucleotide useful for PCR amplification along with two DNA fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                           enzymatic nucleic acid, RNA cleavage, hepatítis C virus; HCV; infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                      ;
                                                                                                                                                                                                                                Length 17;
                                                                                                                                                                                                                                                      2; Indels
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                                                                                                                                                                                     present sequence represents a primer of the invention
                                                                                                                                                                                                          Sequence 17 BP; 4 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                 0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
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                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                       Claim 2; SEQ ID NO 7308; 2627pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID NO 2161; 198pp; English.
                                (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                          HCV DNAzyme substrate sequence #2161.
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                                                                                                                                                                                                                                                                               682
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          08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                                                                                                                                                                          ADI84915 standard; RNA; 17
                                                                                                                                                                                                                                                                               666 CIGCCCTICAGCCIGCC
                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                   Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L, Mcswiggen J,
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(MCSW/) MCSWIGGEN J.
(ROBE/) ROBERTS E.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-031273/03
                                                      WPI; 2004-093977/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hepatitis C virus
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HCV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                             ss; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Macejack D;
                                                                                 2; Indels
                                          Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 1 C; 7 G; 1 T; 6 U; 0 Other;
Sequence 17 BP; 3 A; S C; 2 G; 0 T; 7 U; 0 Other;
                                        Score 13.8; DB 1;
Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pavco PA,
                                                                                     6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             claim 1; SEQ ID NO 632; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                               HCV DNAzyme substrate sequence #632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1400 TGTGGATGTTGCTTTTG 1416
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                                                                                                                         689 GAGGCCTCACTTCTTCT 705
                                                                                                                                                                                                                                                                        BP.
                                                                                                                                                   | | | |:|||::|::|:
1 GAUGACUCACUUCUUCU 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-DEC-2000; 2000US-00740332.
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                                            0.8%;
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                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BLATT L.
MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-031273/03.
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Best Local Similarity
                                                           Local Similarity
ses 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003125270-A1.
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                                                                                                                                                                                                                                                                                                                                                             03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sequence.
                                                                                                                                                                                                                                                                                                                AD183386;
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(ROBE/)
(PAVC/)
(MACE/)
                                              Query Match
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Gaps

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Length 17;

Score 13.8; DB 1; Pred. No. 1.9e+02; 0; Mismatches 2;

0.8%;

93 GAGAGTGGGCAGGTCCT 109

17 GAGAGAGGCCAGGTCCT

ВЪ

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Human GDMLP-1 probe SEQ ID NO:8661
                                                                                                                                                                    ACN71759 Btandard; DNA; 17
                                                                                                                                                                                                                              02-DEC-2004 (first entry)
Query Match 0.8
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                ACN71759;
                                                                                                                                    RESULT 37
ACN71759
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1); 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or pharmaceutical composition of the invention acts as a agonist or pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of pharmaceutical composition of the art and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                               Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 1895; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hanzel DK,
                                                                                                                                       Human GDMLP-1 probe SEQ ID NO:1895
                                                                                                                                                                                                                                                                                                                                                26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-02346B7P.
27-SEP-2000; 2000US-0234583P.
04-0CT-2000; 2001US-020653.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
                                                 ВЪ.
                                                                                                                                                                                                                                                                                                                         26-NOV-2003; 2003US-00723361
                                               ACN64993 standard; DNA; 17
                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GUYY/) GU Y.
(JIXY/) JI Y.
(PENN/) PENN S G.
(HANZ/) HANZEL D K.
(RANK/) RANK D.
(CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-533378/51
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                                                                                                           02-DEC-2004
                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                            15-JUL-2004.
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                                                                             ACN64993;
                                    ACN64993/
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The invention relates to a novel polypeptide (1) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and 65% identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                 Human; 88; probe; myosin-like protein-l; hGDWLP-l;
hGDWLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Shannon ME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hanzel DK,
                                                                                                                                                                                                                                                                    2001MO-US000661.
2001MO-US000663.
2001MO-US000663.
2001MO-US000665.
2001MO-US000667.
2001MO-US000667.
2001MO-US000669.
2001MO-US000669.
2001MO-US000670.
2001MS-OZ66860P.
                                                                                                                                                                                                                        2000US-0207456P.
2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
                                                                                                                                                                                                    26-NOV-2003; 2003US-00723361
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SHANNON M E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                            PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RANK D.
CHEN W.
                                                                                                                                                        US2004137589-A1.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
25-FEB-2001;
25-MAY-2001;
                                                                                                                                                                                                                        26-MAY-2000;
21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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                                                                                                                                   Homo sapiens
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(RANK/)
(CHEN/)
(SHAN/)
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(PENN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gu Y,
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Sequence 17 BP; 2 A; 7 C; 4 G; 4 T; 0 U; 0 Other;

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Disclosure, SEQ ID NO 9687; Opp; English
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(RANK/)
(CHEN/)
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(PENN/)
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                                                                                                                                                                                                                 RESULT 378
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 pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of MDMLP-1. such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                             Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                      Gaps
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                                                                      Length 17;
                                                                                      2; Indels
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                                                      Sequence 17 BP; 7 A; 2 C; 7 G; 1 T; 0 U; 0 Other;
                                                                      0.8%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rank D,
                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DK,
                                                                                                                                                                                                                  Human GDMLP-1 probe SEQ ID NO:9687.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hanzel
                                                                                                                                                                                                                                                                                                                                               21. SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234585P.
07-CTT-2000; 2000US-0234585P.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
                                                                                                         284
                                                                                                                  BP
                                                                                                                                                                                                                                                                                                                        26-NOV-2003; 2003US-00723361
                                                                                                         268 TAGAAGAAGCCAAGAAG
                                                                                                                                                                  ACN72785 standard; DNA; 17
                                                                                                                                                                                                   (first entry)
                                                                             Local Similarity 88.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GU Y.
JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
SHANNON M E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 function
                                                                                                                                                                                   ACN72785
                                                                         Query Match
                                                                                         Matches
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                       Gaps
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0
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Pred. No. 1.9e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                              Sequence 17 BP; 3 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human GDMLP-1 probe SEQ ID NO:9689
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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2001WO-US000662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 GAGAGTGGGCCAGTCCT 1
                                                                                                                                                                                                                                                                                                                                                                                                                          93 GAGAGTGGGCAGGTCCT
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Best Local Similarity 88.2
Matches 15; Conservative
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
SHANNON M E.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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27-SEP-2000;
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(JIYY/) (PENN/) | (HANZ/) 1 (RANK/) 1 (CHEN/) (CHEN/) 6 (SHAN/) 8
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                                                                                                   The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids fully (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of HGDMLP-1, unch as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN61103
                                                                                                                                                                                                                                                                           ö
                          Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                   0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                 Sequence 17 BP; 2 A; 9 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                    Disclosure; SEQ ID NO 9689; Opp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                    Human GDMLP-1 probe SEQ ID NO:8660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000US-0236359P.
04-OCT-2000; 2000US-020661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
                                                                                                                                                                                                                                                                                                 91 GGGAGAGTGGCCAGGTC 107
                                                                                                                                                                                                                                                                                                                                                                        BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2001WO-US000670.
2001US-0266860P.
2001US-00866108.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                             GGGAGAGTGGGCCAGTC
                                                                                                                                                                                                                                                                                                                                                                        ACN71758 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                Local Similarity 88.2
nes 15; Conservative
             WPI; 2004-533378/51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2004137589-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GU Y
                                                                                                                                                                                                                                                                                                                                                                                                                 02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15-JUL-2004
                                                                                                                                                                                                                                                                                                                     11
                                                                                                                                                                                                                                                                                                                                                                                             ACN71758;
                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GUYY/)
                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                         Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                  Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 13.8; DB 1; Length 17; Pred. No. 1.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                  Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 7 A; 3 C; 6 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                  Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 8660; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human GDMLP-1 probe SEQ ID NO:8663
                                                                                                                                                                    Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        267 CTAGAAGAAGCCAAGAA 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2000US-0234687P.
2000US-0234687P.
2000US-0234687P.
2000GB-00024263.
2001MO-US000661.
2001MO-US000663.
2001MO-US000664.
2001MO-US000664.
2001MO-US000665.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTGGAGGAAGCCAAGAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACN71761
ID ACN71761 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                    Ji Y, Penn SG,
JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                       SHANNON M E.
                                                                                                                                                                                                                 WPI; 2004-533378/51.
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21-SEP-2000;
27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-OCT-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACN71761;
                                                                                                                                                                                                                                                                                                                                           function.
                                                                                                                                                                       3u Y,
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                                                                                                                                                                                                                                                            The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 958 deviation from (S1) which are conservative substitutions, and 558 identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                        Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                      Shannon ME
                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
rative 0; Mismatches 2; Indels
                                                                                                                                                      Chen W,
                                                                                                                                                                                                                                                                                                                                                                                        Seguence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                      Rank D,
                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 8663; Opp; English
                                                                                                                                                       Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human GDMLP-1 probe SEQ ID NO:2643.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   270 GAAGAAGCCAAGAAGAA 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                               GAGGAAGCCAAGAAGGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
         30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-026686PP.
25-MAY-2001; 2001US-00866108.
   30-JAN-2001; 2001WO-US000667
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 88.2<sup>5</sup>
"htthes 15; Conservative
                                                                                                                                                       Gu Y, Ji Y, Penn SG,
                                                                      GU Y.
JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
SHANNON M E.
                                                                                                                                                                          WPI; 2004-533378/51.
                                                                                                                                                                                                                             function.
                                                                                                              (RANK/)
(CHEN/)
(SHAN/)
                                                                                  (JIYY/)
(PENN/)
(HANZ/)
                                                                        (daxx/)
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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 958 deviation from (S1) which are conservative substitutions, and 558 identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; 88; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chen W, Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 1 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 2643; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human GDMLP-1 probe SEQ ID NO:7355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      861
                                                                                                                                                                                   30-JAN-2001; 2001MO-US000666.
30-JAN-2001; 2001MO-US000667.
30-JAN-2001; 2001MO-US000668.
30-JAN-2001; 2001MO-US000669.
30-JAN-2001; 2001MO-US000670.
05-FEB-2001; 2001US-0266860P.
25-MAY-2001; 2001US-02686108.
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ID ACN70453 standard; DNA; 17 BP.
                                                                                                         2001WO-US000663.
2001WO-US000664.
                                                                                                                                                               2001WO-US000665.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      845 CTTCCAGCACCCGCCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 CTGCCAGGACCCGCCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SHANNON M E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RANK D.
CHEN W.
27-SEP-2000; 2
04-007-2000; 2
30-07AN-2001; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (RANK/) I
(CHEN/) (
(SHAN/) 9
                                                                                                                                                                                                                                                                                                                                                                                                                  (GUYY/)
(JIYY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PENN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HANZ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 382
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Human GDMLP-1 probe SEQ ID NO:7485
8. g
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                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 95% deviation from (S1) which are conservative substitutions, and antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the
                                                                                                                                                                                                                                                                                                                                                         Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                    Shannon ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.9e+02;
Ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention for scanning the sequence represented in ACN63103
                                                                                                                                                                                                                                                                                                                    Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 8 A; 4 C; 5 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                    Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 7355; Opp; English.
                                                                                                                                                                                                                                                                                                                    Hanzel DK,
                                                        26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234583P.
04-OCT-2000; 2000US-0236359P.
04-OCT-2000; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     270 GAAGAAGCCAAGAAGAA 286
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACN70583/C

1D ACN70583 standard; DNA; 17 BE

XX

AC ACN70583;

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XX
                                        26-NOV-2003; 2003US-00723361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 88.29
Warches 15; Conservative
                                                                                                                                                                                                                                                                                                                    Su Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                      PENN S G.
HANZEL D K.
                                                                                                                                                                                                                                                                                     (CHEN/) CHEN W.
(SHAN/) SHANNON M E.
                                                                                                                                                                                                                                                                                                                                        WPI; 2004-533378/51.
                                                                                                                                                                                                                                                                            RANK D.
CHEN W.
 US2004137589-A1
                                                                                                                                                                                                                                   (GUYY/) (JIYY/) (PENN/) (PENN/) (HANZ/) (RANK/)
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a framen of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions and standard of the following of the invention acts as a agonist or an apparamental composition of the invention at susful for treating or pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
Human; ss; probe; myosin-like protein-l; hGDMLP-l;
hGDMLP-l agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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0.8%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen W,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rank D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 7485; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000US-020653.
30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GU Y.
JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SHAN/) SHANNON M E.
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                                                                                                                                                                                  US2004137589-A1.
                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                            15-JUL-2004
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(PENN/)
(HANZ/)
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(CHEN/)
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Gaps

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Indels

Pred. No. 1.9e+02; 0; Mismatches 2;

88.2%;

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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                 Human; ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Shannon ME
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seguence 17 BP; 8 A; 2 C; 7 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 8664; Opp; English.
                                                                                                                          Human GDMLP-1 probe SEQ ID NO:8664
                                                                                                                                                                                                                                                                                                                           26-MAY-2000; 2000US-0207456P.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234535P.
04-0CT-2000; 2000US-0234535P.
05-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
                                     ACN71762 standard; DNA; 17 BP
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                                                                                               (first entry)
                                                                                                                                                                              skeletal muscle function.
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HANZEL D K.
RANK D.
CHEN W.
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                                                                                                                                                                                                                  Homo sapiens.
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(HANZ/) H
(RANK/) F
(CHEN/) G
(SHAN/) S
                                                                   ACN71762;
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              RESULT 384
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0.8%; Score 13.8; DB 1; Length 17;

Query Match

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The invention relates to a novel polypeptide (I) comprising a sequence (S1) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (S1), 958 deviation from (S1) which are conservative substitutions, and 658 identity to (S1). A polypeptide of the invention acts as a agonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel myosin-like protein-1, useful for treating or preventing disorder associated with decreased expression or activity of human genome-derived myosin-like protein-1 such as disorder of heart and/or skeletal muscle
                                                                                                                                                                                    Human, ss; probe; myosin-like protein-1; hGDMLP-1;
hGDMLP-1 agonist hGDMLP antagonist; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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                                                                                                                                                                 Human GDMLP-1 probe SEQ ID NO:8568
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30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001WS-0266860P.
25-MAY-2001; 2001US-0266860P.
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2001WO-US000663.
2001WO-US000664.
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2001WO-US000661.
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271 AAGAAGCCAAGAAGAAG
                         1 AGGAAGCCAAGAAGGAG
                                                                                        ACN71666 standard; DNA; 17
                                                                                                                                            (first entry)
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HANZEL D K.
RANK D.
CHEN W.
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30-JAN-2001;
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27-SEP-2000;
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(SHAN/)
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(JIYY/)
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                                                                   RESULT 385
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ABL52123/C
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ABL521
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ABL521
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ABL521
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ABL521
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BDB Human,
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BDB Human,
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BDD Human,
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BD Human,
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preventing a disorder associated with decreased expression or activity hGDMLD-1, such as a disorder of heart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
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hGDMLP-1 agoniet hGDMLP antagoniet; hGDMLP inhibitor; heart disorder;
skeletal muscle function.
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88.2%; Pred. No. 1.9e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                        Seguence 17 BP; 6 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
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27-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0234585P.
04-0CT-2000; 2000US-0236359P.
04-0CT-2000; 2001WO-US000661.
30-JAN-2001; 2011WO-US000662.
30-JAN-2001; 2011WO-US000663.
30-JAN-2001; 2011WO-US000666.
30-JAN-2001; 2011WO-US000666.
30-JAN-2001; 2011WO-US000666.
30-JAN-2001; 2011WO-US000667.
30-JAN-2001; 2011WO-US000669.
30-JAN-2001; 2011WO-US000669.
30-JAN-2001; 2011WO-US000669.
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                                                                                                                                                                                                                                                             Query Match 0.8'
Best Local Similarity 88.2'
Matches 15; Conservative
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JI Y.
PENN S G.
HANZEL D K.
RANK D.
CHEN W.
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The invention relates to a novel polypeptide (I) comprising a sequence (SI) of myosin-like protein-1 (hGDMLP-1) having 2568 amino acids fully defined in the specification, a fragment of at least 8 amino acids of (SI), 95% deviation from (SI) which are conservative substitutions, and antagonist to (GI). A polypeptide of the invention acts as a gonist or antagonist of hGDMLP-1, or as an inhibitor of hGDMLP-1 activity. A pharmaceutical composition of the invention is useful for treating or preventing a disorder associated with decreased expression or activity of hGDMLP-1, such as a disorder of hazart and/or skeletal muscle function. The present sequence represents a 17-mer nucleotide, used in the invention for scanning the sequence represented in ACN63103
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag= a
/note= "polymorphic site indicated by an ambiguity base"
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polymorphic site; genotyping; haplotyping; circadian rhythm regulation;
single nucleotide polymorphism; SNP; gene; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Match 0.8%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.9e+02; nes 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 2 A; 8 C; 4 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGAGAGTGGGCAGGTCC 108
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|GGAGAGTGGGCCAGTCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200222650-A2
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The invention relates to single nucleotide polymorphisms in the human interleukin 8 receptor beta (IIBRB) gene. A method for haplotyping the interleukin 8 receptor beta (IIBRB) gene. A method for haplotyping the IIBRB gene in an individual comprises identifying the nucleotide at one or more polymorphic sites and determining whether one of the copies of the copies of the gene is defined by one of the IIBRB haplotypes given in the specification or whether both copies are defined by a haplotype pair. This method is useful in genotypes. An association between a trait and a maplotype or haplotype pair of the IIBRB gene can be identified by a haplotype or haplotype pair of the haplotype or haplotype pair in a reference population, where a higher haplotype or haplotype pair in a reference population, where a higher haplotype or frequency in the trait population indicates the trait is associated with the haplotype or haplotype pair. ILBRB and its corresponding DNA are used
          therapeutic purposes. A recombinant non-human organism transformed or transfected with (I) can be used for studying expression of the PER1 isogenes in vivo, for in vivo screening and testing of drugs targeted against PER1 protein, and for testing the efficacy of therapeutic agents and compounds for disorders associated with circadian rhythm regulation. The present sequence represents an allele specific oligonucleotide primer for human PER1, which is used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; interleukin 8 receptor beta; IL8RB; ss; antiinflammatory; probe; haplotyping; haplotype pair; single nucleotide polymorphism; genotyping; gene therapy; drug screening; chronic obstructive pulmonary disease; inflammatory disease; sequencing primer; PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New polymorphic variants comprising interleukin-8 receptor beta (ILBRB) isogene, useful in expressing ILBRB protein for use in screening for candidate drugs to treat diseases related to ILBRB activity, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human ILBRB gene allele-specific oligonucleotide probe #11.
treat diseases related to PER1 activity.
                                                                                                                                                                                                    Sequence 15 BP; 1 A; 3 C; 8 G; 2 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Choi JY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 16; Page 13; 74pp; English.
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                                                                                                                                                                                                                                                                                                                                   1500 CCAGGCCCCAGCCT 1513
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for studying the expression and function of ILBRB, for use in screening for candidate drugs to treat diseases related to ILBRB activity, such as chronic obstructive pulmonary disease and other inflammatory disorders. The sequences are also useful for studying the effect of variation on the biological activity of ILBRB as well as on the binding affinity of candidate drugs targeting ILBRB. Sequences AASS525-AASS5579 represent allele-specific oligonucleotide probes, sequencing primers and PCR primers used to detect ILBRB gene polymorphisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                         gene expression; downegulation; interleukin-5; IL-5; IL-5; intercellular adhesion molecule; rel A; tumour necrosis factor; intercellular adhesion molecule; rel A; tumour necrosis factor; TWF-alpha; respiratory syncytial virus; RSV; bcr-abl; oncogene; translocation; chronic myelogenous leukaemia; CML; cancer; philadelphia chromosome; inflammation; autoimmune disease; atherosclerosis; myocardial infarction; stroke; restenosis; transplant rejection; rheumatoid arthritis; psoriasis; myocardial ischaemia; Rawasaki disease; septic shock; HIV; human immunodeficiency virus; acquired immune deficiency syndrome; AIDS;
                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                   Mouse relA hammerhead ribozyme target sequence (nt. position 1250).
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                                                                                                                                                            0.8%; Score 13.6; DB 1; Length 15; 92.9%; Pred. No. 1.3e+02; ved 1; Mismatches 0; Indels
                                                                                                                                  Sequence 15 BP; 5 A; 4 C; 4 G; 1 T; 0 U; 1 Other;
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94US-0022795.
94US-00227483.
94US-00228041.
94US-00212804.
94US-0029132.
94US-0029132.
94US-0029132.
94US-0029132.
94US-00291520.
94US-00311486.
94US-00311749.
94US-00311749.
94US-00311749.
94US-00311997.
94US-00311997.
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                                                                                                                                                                                 92.98;
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                                                                                                                                                       Query Match
Best Local Similarity 92...
Best Local 3; Conservative
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16-AUG-1994;
17-AUG-1994;
19-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus.
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10-NOV-1994;
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23-SEP-1994;
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97WO-DK000425

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03-OCT-1997;
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                                                                                                                                                                                                                                                                The present sequence represents a preferred target sequence for an enzymatic nucleic acid (1.e. a ribozyme) which cleaves relA mRNA at the nucleotide base position indicated in the DE line. The relA gene product is a subunit of the transcriptional regulator NF-kappaB and is implicated specifically in the induction of inflammatory responses. Regions of the secondary folding structures and that contain potential hammerhead and hairpin ribozyme cleavage sites were identified by computer analysis. Ribozymes directed against these mRNA sequences were designed and synthesised with modifications that improve their conclease resistance. The ribozymes are designed to cleave the target sequences and thereby inhibit relA expression, making them potentially useful for treating rheumatoid arthritis, restenosis and asthma as well as for increasing tolerance to transplanted tissues. The potential immunosuppressive properties of a ribozyme that cleaves relA mRNA means that uses are limited to local delivery, acute indications or ex vivo treatment. (Updated on 25-MAR-2003 to correct PI field.)
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                                                                                            Stinchcomb DT, Chowrira B, Direnzo A, Draper KG, Dudycz LW;
Grimm S, Karpeisky A, Kisich K, Matulic-Adamic J, Mcswiggen JA;
Modak A, Pavco P, Beigleman L, Sullivan SM, Sweedler D, Thompson JD;
Tracz D, Usman N, Wincott FE, Woolf T;
                                                                                                                                                                                            Ribozymes having modified bases and methods for producing them - for use in inhibiting disease related genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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/*tag= a
/note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%; Score 13.4; DB 1; Length 15; Best Local Similarity 86.7%; Pred. No. 1.4e+02; Matches 13; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 15 BP; 2 A; 8 C; 3 G; 0 T; 2 U; 0 Other;
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                                                                                                                                                                                                                                          Claim 2; Page 226; 407pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide nucleic acid probe 112.
94US-00345516.
94US-00357577.
94US-00363233.
95US-00380734.
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 28-NOV-1994;
16-DEC-1994;
23-DEC-1994;
30-JAN-1995;
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                                                                                                                                                                              Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                                                                                                                                                                 This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, alr and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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//note= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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0.8%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.4e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 15 BP; 2 A; 3 C; 1 G; 9 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                       Claim 22; Page 67; 106pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stender H, Lund K, Mollerup TA;
                                                                                                            Mollerup TA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptide nucleic acid probe 113.
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96DK-00001156.
97DK-00000512.
 96DK-00001096.
96DK-00001156.
97DK-00000512.
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15 AAGGAAAGTCAAAAT 1
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                                                                                                            Lund K,
                                                                                                                                              WPI; 1998-240831/21
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Mycobacterium sp.
                                                                         (DAKO-) DAKO AS
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modified_base
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18-OCT-1996;
05-MAY-1997;
04-OCT-1996;
18-OCT-1996;
05-MAY-1997;
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Synthetic
                 AAV31967;
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This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of the wocbacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fulds, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification of drug-resistant strains (which generally have mutations in rRNA)
                                                                                                                                                                                                                  0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                Sequence 15 BP; 2 A; 2 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                    177 AAGGAAATTCAAAAT 191
                                                                                                                                                                                                                                          Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-070161/06.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
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                                                                                                                                                                                                                            Query Match
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AAX31120/c
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                                                                      Peptide nucleic acid probes for detection of ribosomal nucleic acid of mycobacteria - allow differentiation between species of tuberculosis complex and others and can penetrate cell membranes without pretreatment.
                                                                                                                                                                                This is the nucleotide sequence of the peptide nucleic acid (PNA) probe used in the method of the invention, to detect ribosomal nucleic acid of mycobacteria. The probes are used, in situ or in vitro, for detection of the Mycobacterium tuberculosis complex (MTC), specifically M. tuberculosis, and especially in sputum samples, but also in other body fluids, biopsy specimens, foods, soil, air and water. Particularly, they are used to diagnose, stage or monitor infection, or for identification
                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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//tote= "This sequence contains a polyamide backbone
instead of a deoxyribose backbone"
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ribosomal nucleic acid; rRNA; drug-resistant strain; mutation; ss.
                                                                                                                                                                                                                                                                                                                        drug-resistant strains (which generally have mutations in rRNA)
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                                                                                                                                                                                                                                                                                                                                                                                                  0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                    Claim 22; Page 67; 106pp; English,
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96DK-00001156.
97DK-00000512.
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/*tag=
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                                      WPI; 1998-240831/21.
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18-OCT-1996;
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differentially expressent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or in both. The tag sequences can be used to identify genes by matching the tag to a gen data base member, or by using the tag sequences as probes to isolate unidentified genes from CDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comprises comparing the level of at least one transcript in a first sample of a tissue to a second sample, where the first sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Use of isolated gene transcripts - useful for developing products for diagnosis, prognosis and treatment of cancers, particularly colon and pancreatic cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tag sequence; colorectal cancer; pancreatic cancer; colon cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tag sequence of a transcript increased in colorectal cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diagnosis; prognosis; treatment; ss
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15 AAGGAAACTCAAAAT 1
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Best Local Similarity
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30-MAR-2001 (first entry)

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                                                                                                                                                                                                                                                                                                                                                                                                                   AAX30947-31815 represent tag sequences of transcripts that are differentially expressed in colorectal cancer, in pancreatic cancer, or in both. The tag sequences can be used to identify genes by matching the tag to a gen data base member, or by using the tag sequences as probes to isolate unidentified genes from cDNA libraries. The tag sequences can also be used in a method for diagnosing colon or pancreatic cancer in a sample suspected of being neoplastic. The method comprises comparing the level of at least one transcript in a first sample of a tissue to a second sample, where the first sample is a colonic tissue suspected of being neoplastic and the second sample is a normal human colonic tissue. The transcript is identified by a tag selected from AAX30947-31815. The methods of the invention can be used in the diagnosis, prognosis and
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                                                                                                                                                 Transcript tag sequence increased in pancreatic and colorectal cancer.
Gaps
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diagnosis; prognosis; treatment; ss.
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1;
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Mismatches
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                   821
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                                                                                                                                                                                                                                                                                                   SNING OUND ( OCYU)
                                                                                                                                                                                                                                                                                                                       Kinzler KW;
                                                                                                                             (first entry)
                 Local Similarity 93.3
14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             treatment of cancer
                                                                                                                                                                                                                                                                                                                       Vogelstein B,
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                                                                                                                             21-MAY-1999
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                                                                                                         AAX31728;
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                                                                   RESULT 394
AAX31728/c
Matches
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AAF50848
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The present invention relates to a method for ameliorating the effects of skin disorders. The method comprises contacting the skin with an antisense oligonucleotide, (for Insulin-1ike Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an information and/or other disorders. The present sequence is an inflammation and/or other disorders. The present sequence is an inflammation and/or other disorders, she present sequence is an oligonucleotide which can be used to design the antisense oligonucleotide which can seem invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, roblasis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, neoplasias, scletoderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, disease, kidney disease, hyperproliferation of the inside of blood vessels or any other hyperplasia
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                                                   Antisense therapy; antiproliferative; antiinflammatory; antipsoriatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor I receptor; IGF-1; pityriasis; IGF binding protein; IGFB-2; IGFBP3; inflammation; psoriasis; pilaris; growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keardosis; neoplasia; sclaroderma; wart; skin cancer; sclerotic disease; hypermeovascular condition; hyperplasia; kidney disease; neobascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ameliorating the effects of a disorder, e.g. psoriasis, by administering UV (ultra-violet) treatment (optional) and an antisense nucleic acid that inhibits or reduces growth factor mediated cell proliferation and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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IGF-I oligonucleotide #1808.
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nes 14; Conservative
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ABK32682/c
1D ABK3268/c
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DT 23-APR.
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Blatt L,
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Human; colon cancer; colorectal cancer; pancreatic cancer; SAGE tag;
                   analysis of gene expression; diagnostic; prognostic; probe;
                                                                                                                                                                                                                                                                                                                                                                                New human nucleic acid containing specific SAGE tags, useful as diagnostic markers for cancer, also derived probes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure, Col 87; 161pp; English.
                                                                                                                                                                                                                                                                                                            Vogelstein B, Kinzler KW, Zhang
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Best Local Similarity
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                                             cancer marker; 88.
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                                                                                    Homo sapiens
                                                                                                                                                                                                  20-MAY-1998;
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                                                                                                                       US6333152-B1
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The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin (HP) motif where the binding arms comprise sequences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of
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                                                                                                                                                                                                                                                                                            colon and
                                                                                                                                               The invention relates to an isolated, purified human nucleic acid (I) that has the same sequence as a mRNA found in humans and is a SAGE (serial analysis of gene expression) tag comprising a single stranded probe containing at least 10 consecutive nucleotides. SAGE tags, are diagnostic and prognostic markers of cancer, especially of the colon and pancreas. ABK11900-ABK32770 represent human colon and pancreatic cancer SAGE tags of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enzymatic nucleic acid, RNA cleavage, Hepatitis C virus infection, HCV ribozyme, HCV expression, HCV replication, cirrhosis, virucide, liver failure, hepatocellular carcinoma, HCV infection, drug therapy, type I interferon, interferon alpha, interferon beta; cytostatic, ss; interferon gamma, consensus interferon, hepatotropic, antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
   aB
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New human nucleic acid containing specific SAGE tags, useful diagnostic markers for cancer, also derived probes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus (HCV) ribozyme related RNA sequence #74.
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15 BP; 1 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Roberts B,
                                                                                                    Disclosure; Col 25; 161pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             807 GCTCAGCAGGCCATG 821
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Best Local Similarity 93.3
Marches 14; Conservative
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PAVCO P A.
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HCV. They can be used to treat cirrhosis, liver failure and/or hepatocellular carcinoma. The HCV ribozymes are also useful for treating a condition associated with HCV infection in conjunction with one or more other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this patent was obtained in electronic format directly from the USPTO web site at sequence uspto.gov/psipsDIDEntry.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to enzymatic nucleic acids which specifically cleave RNA derived from Hepatitis C virus (HCV). The enzymatic nucleic acid or ribozyme is in a hammerhead (HH) or hairpin (HP) motif where the binding arms comprise sequences complementary to one of the substrate sequences defined in the specification. The HCV ribozymes are useful for modulating the expression and/or replication of HCV. They can be used to treat cirrhosis, liver failure and/or hepatocellular carcinoma. The HCV ribozymes are also useful for treating a condition associated with HCV infection in conjunction with one or more
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New ribozymes targeting RNA derived from hepatitis C virus inhibit viral replication and are useful to treat hepatitis C virus infections and cirrhosis, liver failure or hepatocellular carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enzymatic nucleic acid, RNA cleavage, Hepatitis C virus infection, HCV ribozyme; HCV expression, HCV replication, cirrhosis; virucide; liver failure; hepatocellular carcinoma; HCV infection; drug therapy; type I interferon; interferon alpha; interferon beta; cytostatic; ss; interferon gamma; consensus interferon; hepatotropic; antiinflammatory.
                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                          0.8%; Score 13.4; DB 1; Length 15; 86.7%; Pred. No. 1.4e+02; tive 1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hepatitis C virus (HCV) ribozyme related RNA sequence #73.
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                                                                                                                                                                                                           Sequence 15 BP; 3 A; 8 C; 3 G; 0 T; 1 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 1586; 80pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Roberts B,
                                                                                                                                                                                                                                                                                                                        1509 AGCCTCCAGGCCCCC 1523
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                                                                                                                                                                                                                                                                                                                                              ABX01804 standard; RNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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Best Local Similarity 86...
These 13; Conservative
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(MCSW/) MCSWIGGEN J A.
(ROBE/) ROBERTS B.
(PAVC/) PAVCO P A.
(MACE/) MACEJACK D.
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characterisation tenaus to merunous and compositions on detection and characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (i) a folded target having a DNA sequence comprising at least 1 double stranded cegion, and at least 1 single stranded region; and (ii) at least 1 probe complementary to at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe complementary to at least a portion of the folded target; and (b) mixing the target complex. Also provided are methods for determination of structure formation in nucleic acid structures. The methods can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences indicative of an infection, the presence of variants or alleles of mammalian genes associated with disease and cancers, and the ammales, identification of the source of nucleic acids found in forensic samples, identification of the source of nucleic acids found in forensic samples, as well as in paternity determinations. The methods allow simultaneous
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other drug therapies, particularly type I interferon, especially interferon alpha, beta or gamma or consensus interferon. The present sequence represents a RNA sequence of unknown function. Note: The present sequence is given in the sequence data but is not mentioned elsewhere in the specification. The complete sequence data for this patent was obtained in electronic format directly from the USPTO web site at sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acid detection; nucleic acid characterisation; hybridisation; infection; disease; cancer; forensic; paternity; multiplexing; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detection and characterisation of nucleic acid sequences - by mixing folded target and one or more probes to form a probe/folded target complex and detecting and characterising the complexes.
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                                                                                                                                                                                                            0.8%; Score 13.4; DB 1; Length 15; 86.7%; Pred. No. 1.4e+02; ative 1; Mismatches 1; Indels
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                                                                                                                                                                         Seguence 15 BP; 3 A; 8 C; 3 G; 0 T; 1 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dong F, Lyamichev VI, Prudent JR, Fors L, Anderson TA, Dahlberg {\rm JE}_{\rm i}
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (THIR-) THIRD WAVE TECHNOLOGIES INC.
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97US-00934097.
98US-00034205.
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                                                                                                                                                                                                                 Query Match 0.8
Best Local Similarity 86.7
Matches 13; Conservative
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03-MAR-1998;
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analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The products produced are amenable to qualitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support.) The methods are powerful in that they allow for analysis of longer tragments of mucleic acid than current methodologies. The present sequence represents the sequence no:68 in the specification for which no information is provided
            888888888888888
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Sequence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;

ö Gaps ; 0 Length 16; 1; Indels 0.8%; Score 13.4; DB 1; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Query Match
Best Local Similarity 93.2.
Best Local 14; Conservative

AAV70489 standard; DNA; 16 BP RESULT 401

(first entry) 08-APR-1999 AAV70489;

Sequence ID# 67 from patent specification WO9850403.

Nucleic acid detection; nucleic acid characterisation; hybridisation; infection; disease; cancer; forensic; paternity; multiplexing; ss.

Unidentified

WO9850403-A1

12-NOV-1998

98WO-US003194. 05-MAY-1998; 97US-00851588. 97US-00934097. 98US-00034205. 05-MAY-1997; 03-MAR-1998; 19-SEP-1997

(THIR-) THIRD WAVE TECHNOLOGIES INC.

Dong F, Lyamichev VI, Prudent JR, Fors L, Neri BP, Brow MAD; Anderson TA, Dahlberg JE;

WPI; 1998-610317/51.

Detection and characterisation of nucleic acid sequences - by mixing a folded target and one or more probes to form a probe/folded target complex and detecting and characterising the complexes.

Disclosure; Page 180; 279pp; English

characterisation of nucleic acid sequences and sequence changes. One method of detection and characterisation comprises: (a) providing: (i) a folded target having a DNA sequence comprises: (a) providing: (i) a region and a least 1 single stranded region; and (ii) at least 1 double stranded region and at least a portion of the folded target; and (b) mixing the target and probes so that the probe hybridises to form a probe //folded target complex. Also provided are methods for determination of structure formation in nucleic acid targets; for analysing folded nucleic can be used for the detection and characterisation of nucleic acid sequences to detect the presence of pathogenic nucleic acid sequences to an infection, the presence of variants or alleles of mammalian genes associated with disease and cancers, and the identification of the source of nucleic acids found in forensic samples, The invention relates to methods and compositions of detection and

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as well as in paternity determinations. The methods allow simultaneous analysis of both strands (e.g. the sense and antisense strands) and are ideal for high-level multiplexing. The produced are amenable to parlitative, quantitative and positional analysis. The methods may be performed in solution or in the solid phase (e.g. on a solid support). The methods are powerful in that they allow for analysis of longer fragments of nucleic acid than current methodologies. The present sequence represents the sequence no:67 in the specification for which no information is provided
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                                                                                                                                                                                                                                                                                        0.8%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.7e+02; Live 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                Sequence 16 BP; 4 A; 8 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                             1508 CAGCCTCCAGGCCCC 1522
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AAX14645/c

RESULT 402

BP AAX14645 standard; DNA; 16

AAX14645;

(first entry) 24-MAR-1999 Triple helix third strand of dystrophin gene nucleotides 4480-4495.

Triplex formation; DNA detection; triple helix; identification; bacteria; oncogene; virus; ss.

Homo sapiens. Synthetic.

US5861244-A.

19-JAN-1999

93US-00173489 22-DEC-1993; 92US-00968436. 29-OCT-1992;

Wang C; Hepburn AG,

(PROF-) PROFILE DIAGNOSTIC SCI INC.

WPI; 1999-130384/11.

Assay of genetic sequences based on triplex formation from double stranded analyte - and hybrid of anchor and reporter sequences, with reporter released if triplex formation occurs, used e.g. to identify Disclosure; Col 15-16; 168pp; English. bacteria.

The present sequence represents a polynuclectide that is able to form a triple helix with a double stranded sequence. Cytosine bases in the present can be replaced with 5-methylcytosine for increased triplex catability. The present sequence is used in the assay of the invention, where it can be part of the anchor DNA or reporter DNA sequence. The assay comprises adding a sample containing double-stranded DNA test sequences to an aqueous medium containing at least one complex of anchor DNA, attached to a solid support, and reporter DNA, where either a part of the anchor DNA or reporter DNA is designed to form a triple-strand structure with part of the test sequence. Triplex formation results in the presence of the DNA test sequence. Triplex formation of the part of the test sequence. Triplex formation of sequences, particularly for identification of bacteria (by detecting sequences) and user of the DNA test sequence. The method is used to detect DNA sequences for ribosomal RNA) in clinical samples, but also detection of oncogenes and Hepatitis B virus 쁌.

(first entry)

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Nucleic acid accessible hybridisation site; detection; hybridisation; characterisation; identification; nucleic acid structure; diagnosis;
                                                                                                                                          Hepatitis C virus PCR primer SEQ ID NO:67
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15-JUN-2001; 2001US-00212308
                                   ABL46100 standard; DNA; 16
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                                                                                                                                                                                                                      PCR primer; probe; ss
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                                                                                                                                                                                                                                                       Hepatitis C virus.
Synthetic.
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                                                                        ABL46100;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Identifying oligonucleotides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under
                                                                                                                                                                                                                                                                                                                                                                                Nucleic acid accessible hybridisation site; detection, hybridisation, characterisation; identification; nucleic acid structure; diagnosis; PCR primer; probe; ss.
                                                                        Gaps
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                               Match 0.8%; Score 13.4; DB 1; Length 16; Local Similarity 93.3%; Pred. No. 1.7e+02; les 14; Conservative 0; Mismatches 1; Indels
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BP; 0 A; 4 C; 1 G; 11 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Neri BP,
                                                                                                                                                                                                                                                                                                                                                         Hepatitis C virus PCR primer SEQ ID NO:68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 8; Page 370; 409pp; English.
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                                                                                                                                                                                                                                            BP
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15-JUN-2001; 2001US-00212308.
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                                                                                                           ABL46101 standard; DNA; 16
                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                      26-APR-2002
 Sequence 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                   Query Match
                                                                                                                                                                                                                                                                                 ABL46101;
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ABL46101
                                                          Best Loca
Matches
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Dong F, Neri BP, Vener IT;

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Identifying oligonucleotides hybridizing to nucleic acids containing secondary structure, useful in clinical diagnosis, comprises identifying primers that interact with the target to form an extension product under amplification conditions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matchés 14; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                           Example 8; Page 370; 409pp; English.
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1508 CAGCCTCCAGGCCCC 1522

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Query Match 0.8 Best Local Similarity 93.3 Matches 14; Conservative

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                                                                                                                                                                                                                                Prudent JR, Fors L, Neri BP, Brow MAD;
JE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid analysis method associated oligonucleotide seqid 68
                                                                                                                                                                                                                                                                                             Analyzing nucleic acids, comprises mixing target nucleic acid suchepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid analysis; hepatitis C virus;
non-contiguous single-stranded region; NCSR; cleavage structure;
clinical; diagnostic; microorganism detection;
nucleic acid analysis; hepatitis C virus;
non-contiguous single-stranded region; NCSR; cleavage structure;
clinical; diagnostic; microorganism detection;
microorganism identification; ss.
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                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 67; 143pp; English.
                                                                                                                                                                                                            (THIR-) THIRD WAVE TECHNOLOGIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              microorganism identification; ss
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                                                                                                                                                           97US-00934097.
97US-00934097.
98US-00034205.
                                                                                                                                     18-JUL-2000; 2000US-00402618
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                                                                                                                                                                                                                                                Dahlberg
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Anderson TA, Dahlberg
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                                                                                                                                                              05-MAY-1997;
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                                                                                      US6709815-B1
                                                                                                                                                                        19-SEP-1997;
03-MAR-1998;
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                                                               Synthetic
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                                                                                                                                                                                                                                                           Analyzing nucleic acids, comprises mixing target nucleic acid such as hepatitis C virus nucleic acid, bridging oligonucleotide, second oligonucleotide and cleavage agent to form cleavage structure.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ds; gene; in vitro diagnosis; virus-related disease; HIV-1; HIV-2;
                                                                                                                                                           Brow MAD;
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                                                                                                                                                           BP,
                                                                                                                                                           Neri
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/note= "No start/stop codon given"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence 16 BP; 3 A; 8 C; 4 G; 1 T; 0 U; 0 Other;
                                                                                                                                                         Prudent JR, Fors L, JE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Linker peptide encoding DNA SEQ ID NO:11.
                                                                                                                                                                                                                                                                                                                                                 Disclosure, SEQ ID NO 68; 143pp; English
                                                                                                                     (THIR-) THIRD WAVE TECHNOLOGIES INC.
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18-JUL-2000; 2000US-00402618.
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                                                       97US-00934097
98US-00034205
                                      97US-00851588
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                           Dong F, Lyamichev VI,
Anderson TA, Dahlberg
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                                                         19-SEP-1997;
03-MAR-1998;
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                                      05-MAY-1997;
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                                                                                                                                              The invention relates to a novel recombinant DNA (I) encoding a recombinant chimeric protein (II). The protein consists of at least two nucleotide fragments, each encoding an epitopic region of at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one sequence encoding a linker, and at least one in vitro diagnosis, especially of virus-related diseases, specifically HIV-1 or -2 infections. The protein is easy to purify and synthesise, and has strong immunoreactivity with sera from virus-infected subjects. The protein is equence encodes a linker of the recombinant chimeric peptide of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Identifying nucleic acid sample source, useful for identifying bacterial strains involved in nosocomial infections, comprises treating the nucleic acid sample with components comprising a nicking agent under nicking conditions.
                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                      New recombinant DNA encoding chimeric protein, useful for in vitro diagnosis of viral infections, comprises sequences encoding epitopic regions, a linker and a binding region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ss; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.
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                                                                                                                                                                                                                                                                                           Sequence 16 BP; 2 A; S C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      coli nicking agent target DNA #26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Van Ness LK;
                                                                                                                           Claim 5; SEQ ID NO 11; 33pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Page 65; 238pp; English.
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                                                                                                                                                                                                                                                                                                                                                                     476 CCTGAACCAGAGCTC 490
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                                      WPI; 2004-259482/25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Escherichia coli
                                                  P-PSDB; ADM80153
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                                                                                                                                                                                                                                                                   invention.
             Letourneur O;
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a

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nucleic acid sample to thus produce a family of initiating oncleoride fragments, and une consultating one or more members of the canily of initiating on oligonucleoride fragments and subjecting one or more members of the canily of initiating only and subjecting one or more members of the process to thus provide results. The method is useful for caracterization assay panel of diagnostic oligonucleorides that can identify any organism or individual. The method is useful for characterizing other DNA molecules e.g., cDNA, and for characterizing other DNA molecules e.g., cDNA, and for characterizing other DNA molecules e.g., cDNA, and for characterizing other DNA capacism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, non-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species, subspecies, and especially strains or individuals of the subspecies.

C in e.g., nosocomial infections. Furthermore, the method is useful for diagnosing bacterial disease in plants and humans, monitoring for bacterial contemination, monitoring manufacturing processes for bacterial contemination, monitoring manufacturing processes for bacterial contemination, monitoring manufacturing bacterial contemination, monitoring manufacturing bacterial contemination microbiological assays, tracing bacterial contemination and/or coutening undired monitoring particultural sites contemination and recombinant molecules. This sequence corresponds to nucleic acid used in the method of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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ID ADR3
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The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a nicking agent, and the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating only oligonucleotide fragments to a characterization process to thus provide results. The method is useful for creating an assay panel of diagnostic oligonucleotides that can identify any organism or individual. The method is useful for characterization patterns. The method, kit or composition is useful for identifying the source organism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, non-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species, subspecies, and especially strains of individuals of the subspecies. It is especially useful for identifying different bacterial strains involved in e.g., nosocomial infections. Furthermore, the method is useful for human and disease in plants and humans, monitoring for horganism contents and humans, monitoring for human contents and humans, monitoring the contents and humans, monitoring the contents and humans, monitoring the contents and humans. bacterial content and legace in plants and instance in content and legace in the environment, monitoring food for bacterial contamination, monitoring manufacturing processes for bacterial contamination, monitoring quality ssurance/quality control of laboratory tests involving microbiological assays, tracing bacterial contamination and/or outbreaks of bacterial infections, genome mapping, monitoring bioremediation sites, and for monitoring agricultural sites for test crops, bacteria and recombinant molecules. This sequence corresponds to nucleic acid used in the method of the invention.

Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;

. 0 Match 0.8%; Score 13.4; DB 1; Length 16; Local Similarity 93.3%; Pred. No. 1.7e+02; 1; Indels 0; Mismatches 501 TTCTGGATGAATGGT 515 1 rrcredardardrr 15 14; Conservative Query Match Matches ઠ

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Gaps

ADR33575 standard; DNA; 16 04-NOV-2004 ADR33575; RESULT 410 ADR33575

BP

(first entry)

E. coli strain K12 detection oligonucleotide K12-558515.

ss; nicking agent; assay panel; diagnosis; expression pattern; DNA fingerprinting; nosocomial infection; microbiological assay; bacterial contamination; genome mapping; bioremediation.

Escherichia coli.

WO2004067765-A2

12-AUG-2004.

29-JAN-2004; 2004WO-US002720.

29-JAN-2003; 2003US-0443811P.

(KECK-) KECK GRADUATE INST.

Van Ness LK; Galas DJ, Van Ness J,

WPI; 2004-581010/56.

Identifying nucleic acid sample source, useful for identifying bacterial strains involved in nosocomial infections, comprises treating the nucleic acid sample with components comprising a nicking agent under nicking conditions.

```
The invention relates to a method of treating a nucleic acid sample with components under nicking conditions, where the components comprise a components under nicking conditions cause the nicking agent to nick the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating of the conditions cause the nicking agent to nick the nucleic acid sample to thus produce a family of initiating olygonucleotide fragments to a characterization composition olygonucleotide that can identify any organism or individual. The method is useful for characterizing other DNA correctly, the method is useful for characterizing other DNA correctly with or composition is useful for identifying the source organism of a nucleic acid sample e.g., bacterium, fungus, virus, plant, conn-human animal or human. The method is particularly useful for rapidly fingerprinting DNA to identifying prokaryotic and eukaryotic species. It is especially useful for identifying officerent bacterial strains involved in e.g., nosocomial infections. Furthermore, the method is useful for diagnosing bacterial infections. Furthermore, the method is useful for diagnosing bacterial contamination, monitoring quality assurance/quality control of aborterial contamination, monitoring quality assurance/quality control of aborterial contamination, monitoring manufacturing processes for contamination and/or outbreaks of bacterial infections, geneme mapping, contamination and/or outbreaks of bacterial infections, geneme mapping, contamination and/or outbreaks of bacterial infections, for a contamination will molecules. This sequence corresponds to an olicomiclerial in the method is useful for corresponds to an olicomiclerial and recombinant molecules. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       corresponds to an oligonuclectide used in the method of the invention to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 16 BP; 4 A; 1 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             detect an E. coli strain K12 sequence.
Example 2; Page 94; 238pp; English.
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0.8%; Score 13.4; DB 1; Length 16; 13.3%; Pred. No. 1.7e+02; 1; Indels 0; Mismatches 501 TTCTGGATGAATGGT 515 93.3%; 1 TTCTGGATGAATGTT 15 Query Match Best Local Similarity 93.34 Matches 14; Conservative ઠ

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Gaps

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ADR69939 standard; DNA; 16 BP ADR69939; RESULT 411 ADR69939,

В

Human survivin gene modulatory oligonucleotide #7.

04-NOV-2004 (first entry)

antidiabetic; ophthalmological; antiarthritic; antirheumatic; antidiabetic; ophthalmological; antiarthritic; antirheumatic; antialleratic; antialleratic; antialleratic; antialleratic; antialleratic; antialleratic; antialleratic; appetosis inhibitor; virucide; survivin antagonist; apoptosis inhibitor; cellular proliferation inhibitor; survivin; gene expression; antianomal andiogenesis; chemotherapeutic agent; busulfan; myleran; carboplatin; paraplatin; Taxol; doxorubicin; adriamycin; atherosclerosis; psoriasis; diabetic retinopathy; rheumatoid arthritis; asthma; warts; melanoma; osteosarcoma; Eving's sarcoma; chondrosarcoma; malignant, fibrous histiocytoma; fibrosarcoma; Kaposi's sarcoma;

Paclitaxel; Docetaxel. Homo sapiens

Synthetic.

/note= "OTHER = phosphorothioate internucleotide linkages, all locked nucleic acid (LNA) residues are 5'-Location/Qualifiers /mod_base= OTHER /*tag= nodified base

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/_o_base= OTHER
/note= "OTHER = beta-D-oxy-locked nucleic acid but
optionally DNA nucleotides, optionally phosphate
internucleotide linkages"
                                                       /noce= "OTHER = beta-D-oxy-locked nucleic acid but optionally DNA nucleotides, optionally phosphate internucleotide linkages"
methyl cytosine residues"
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18-NOV-2003; 2003DK-00001708.
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     modified base
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                                                                                         19-AUG-2004
                                                                                                                                             Hansen B,
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OTHER

New locked nucleic acid containing oligomeric compound capable of modulating survivin expression, useful for treating cancer such as breast carcinoma, lung carcinoma, etc.

Ξ

Westergaard M, Wissenbach

Petersen KD,

Claim 1; SEQ ID NO 8; 122pp; English.

The invention relates to an oligomeric compound (I) capable of modulating survivin expression, having 8-50 nucleotides and/or nucleotide analogues, where the compound comprises a subsequence of at least 8 nucleotides or nucleotide analogues, where the subsequence is located within a sequence chosen from one of 143 sequences given in the specification. (I) is useful as a caused by abnormal angiogensis, by administering (I) containing one or more LMA units that are targeted to survivin. (I) is useful as a cancer, in combination with chemcherapeutic agent such as busulfan (myteran), carboplatin (paraplatin), Taxol, doxorubicin (adriamycin), cert. (I) or a conjugate (II) containing (I) is useful as busulfan (myteran), carboplatin (paraplatin), Taxol, doxorubicin (adriamycin), cert. (I) or a conjugate (II) containing (I) is useful in the preparation of a medicament for the treatment of atherosclerosis, psoriasis, diabetic retinopathy, rheumatoxid arthritis, asthma, warts and allergic dermatitis. (I) (II) or a pharmaceutical (III) containing (I) is useful in the preparation of solid tumour, sarcoma, glloma or carcinoma chosen from malignant melanoma, bancer, renal cell carcinoma, bladder carcinoma, non-small cell lung carcinoma, ovarian carcinoma, carcinoma, pancreatic carcinoma, ovarian and carcinoma and carcinoma, amelanoma, and desmoplastic chordrosarcoma and carcinoid tumoures. The malignant melanoma is chosen from superficial pladeder cancer, stomach carcinoma carcinoma, acral melanoma, and desmoplastic chordrosarcoma and carcinoid tumoures. The malignant melanoma is chosen from suberficial special melanoma, and desmoplastic chordrosarcoma malignant fibrous histiocytoma, fibrosarcoma and desmoplastic chordrosarcoma malignant fibrous histiocytoma, fibrosarcoma and desmoplastic melanoma, acral melanoma and carcinodic processed to chemotherapeutic agent such survivin gene

Sequence 16 BP; 1 A; 3 C; 1 G; 11 T; 0 U; 0 Other;

ö Gaps ö Query Match 0.8%; Score 13.4; DB 1; Length 16; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels

278 CAAGAAGAAGAAGA 292 ~ QQ ઠે

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-809-189-31758 Sequence -956-157-271151 Sequence -719-956-30750 Sequence -719-956-7056 Sequence -719-956-7056 Sequence	1 US-10-719-956-501380 Sequence 1 US-10-719-956-501380 Sequence 1 US-10-719-956-517912 Sequence	1 US-10-719-956-612441 Sequence	1 US-10-380-124-14 sequence 1 US-10-380-124-15 Sequence	1 US-10-380-124-16 Sequence 1 US-10-380-124-17 Sequence	1 US-10-380-124-18 Sequence	1 US-10-380-124-19 Sequence 1 US-10-380-124-20 Sequence	1 US-10-380-124-21 Sequence	1 US-10-380-124-22 Sequence	1 US-10-380-124-23 Sequence 1 US-10-380-124-24 Sequence	1 US-10-380-124-25 Sequence	1 US-10-380-124-26 Sequence	1 US-10-380-124-27 Sequence	1 US-10-380-124-28 sequence	1 US-10-380-124-29 Sequence 1 US-10-380-124-30 Semience	1 US-10-380-124-31 Sequence	1 US-10-380-124-32 Sequence	1 US-10-380-124-33 Sequence	1 US-10-380-124-34 Sequence	1 US-10-380-124-35 Sequence	1 US-10-380-124-37 Sequence	1 US-10-380-124-38 Sequence	1 US-10-380-124-39 Sequence	1 US-10-380-124-40 Sequence 1 US-10-380-124-41 Sequence	1 US-10-380-124-42 Sequence	1 US-10-380-124-43 Sequence	1 US-10-380-124-44 Sequence	1 US-10-380-124-45 Sequence	1 US-10-380-124-47 Sequence	1 US-10-380-124-48 Sequence	1 US-10-380-124-59 Sequence	1 US-10-380-124-51 Sequence	1 US-10-380-124-52 Sequence	1 US-10-380-124-53 sequence 1 HS-10-380-124-54 Sequence	1 US-10-380-124-55 Sequence	1 US-10-380-124-56 Sequence	1 US-10-380-124-57 Sequence	1 US-10-380-124-38 Sequence	1 US-10-380-124-60 Sequence	1 US-10-380-124-61 Sequence	1 US-10-380-124-62 Sequence	1 08-10-380-124-65 Sequence	1 US-10-380-124-65 Sequence	1 US-10-380-124-66 Sequence	1 US-10-380-124-67 Sequence	1 US-10-380-124-68 sequence	1 US-10-380-124-09 Sequence	1 US-10-380-124-71 Sequence	1 US-10-380-124-72 Sequence	1 US-10-380-124-73 Sequence	1 US-10-380-124-74 Sequence	1 US-10-380-124-75 Sequence
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TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US 60/459,782
FRIOR PLING DATE: 2003-11-21
PRIOR PLING DATE: 2003-04-03
PRIOR PLING DATE: 2003-04-03
PRIOR PLING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4994
SSOTID NO 1318
LENGTH: 25
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
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APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, Milliam L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT PEPLICANTION NUMBER: US/0/17,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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US-10-717-597-1318
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APPLICANT: Twine, Natalie C.
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APPLICANT: Trepicchlo, William L.
APPLICANT: Storer, Andrew J.
APPLICANT: Storer, Jennifer A.
TITLE OF INVENTION METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
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PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4900
SOFTWARE: Patentin version 3.2
SEQ ID NO 1316
          APPLICANT: Twine, Natalie C.
APPLICANT: Dorner, Andrew J.
APPLICANT: Trepicchio, Milliam L.
APPLICANT: Stover, Jonna K.
APPLICANT: Stover, Jonna M.
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SEQ ID NO 1315
LENGTH: 25
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1.5%; Score 25; DB 1;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Wyeth
Burczynski, Michael E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
CORGANISM: Homo sapiens
US-10-717-597-1315
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; ORGANISM: Homo sapiens
US-10-717-597-1316
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US-10-717-597-1316
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Sequence 1321, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Domna K.
APPLICANT: Slonim, Domna K.
APPLICANT: Slonim, Domna K.
APPLICANT: Slonim, Domna K.
APPLICANT: SLover, Jennifer A.
APPLICANT: SLover, Jennifer A.
APPLICANT: Land Domna K.
APPLICANT: Slonim, Domna K.
APPLICANT: AMION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 4904
SEQ ID NO 1321
LENGTH: 25

LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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CORGANISM: Homo sapiens
US-10-717-597-1322
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CORGANISM: Homo sapiens
US-10-717-597-1321
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stower, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 4904
SSOTTMARE: Patentin version 3.2
LENGTH: 25
              GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Watalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
CURRENT APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PatentIn version 3.2
SEQ ID NO 119
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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CORGANISM: Homo sapiens
US-10-717-597-1320
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; ORGANISM: Homo sapiens
US-10-717-597-1319
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US-10-717-597-1320
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APPLICANT: Burczynski, Michael E.
APPLICANT: Twinc, Natalia C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM 01080L.
CURRENT APPLICATION NUMBER: US 60/459, 782
PRIOR PLLING DATE: 2003-04-03
PRIOR PLLING DATE: 2003-04-03
PRIOR PLLING DATE: 2002-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 1322
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1 AGATGTGGATGTTGCTTTTGCACCT 25
                                                                                                  US-10-717-597-1322

Sequence 1322, Application US/10717597

Publication No. US20040110221A1

GENERAL INFORMATION:
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RESULT 10

RESULT 8 US-10-717-597-1321

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APPLICANT: Burczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicotio, William L.
APPLICANT: Trepicotio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS;
FILE REFERENCE: AM1010901,
CURRENT APPLICATION NUMBER: US 60/459,782
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR PILLING DATE: 2003-04-03
PRIOR PILLING DATE: 2003-04-03
PRIOR PILLING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 1326
                                                                                                                                APPLICANT: MycLin
APPLICANT: MycLin
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TILE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT PAPLICANTION NUMBER: US/10/717,597
CURRENT PAPLICANTION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2003-04-103
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
LENGTH: 25
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100.0%; Pred. No.
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                          , Application US/10717597
o. US20040110221A1
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Publication No. US20040110221A1
GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-10-717-597-1326
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US-10-717-597-1325
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Best Local Similarity
Matches 25; Conserv
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PRIOR REPLICATION NUMBER: US 60/459, 782
PRIOR PILING DATE: 2003-40-03
PRIOR PILING DATE: 2002-11-21
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PATENTIN VERSION 3.2
LENGTH: 25
                                                                                                     APPLICANT: MUCZURSKI, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS: TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS; FILE REFERENCE: AMAIO10801.
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR PLING DATE: 2003-04-03
PRIOR PLING DATE: 2003-04-121
PRIOR FILING DATE: 2003-04-13
PRIOR SPLING DATE: 2003-04-03
PRIOR PLING DATE: 2003-04-03
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Pred. No. 72;
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100.0%; Pred. No. ...
0, Mismatches
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Sequence 1123, Application US/10717597 Publication No. US20040110221A1 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Homo sapiens
US-10-717-597-1324
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ORGANISM: Homo sapiens
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LENGTH: 25
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; Sequence 25934, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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Matches 25; Conservative
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CORGANISM: Homo sapiens
US-10-717-597-1329
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US-10-956-157-25934
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APPLICANT: myscul, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Trepicchio, William L.
APPLICANT: Stower, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM10.1080L
CURRENT FILING DATE: 2003-11-21
PRIOR PILING DATE: 2003-40-403
PRIOR PLLING DATE: 2003-40-403
PRIOR PILING DATE: 2003-40-403
PRIOR FILING DATE: 2003-40-403
PRIOR PLLING DATE: 2003-40-403
PRIOR PLLING DATE: 2003-40-403
SOFTWARE: PRECEDIN VORSES: 4904
SOFTWARE: 
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APPLICANT: Wyeen
APPLICANT: Wyeen
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
APPLICANT: Slonim, Donna K.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AMIOLOSOL
CURRENT APPLICATION NUMBER: US 10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SCHYMARE: Patentin version 3.2
LENGTH: 25
LENGTH: 25
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APPLICANT: Wyeth
                                                                 Sequence 1327, Application US/10717597 Publication No. US20040110221A1 GENERAL INFORMATION: APPLICANT: Wyeth
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-717-597-1327
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RESULT 14
US-10-717-597-1327
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Sequence 25933, Application US/10956157

Foguence 25933, Application US/10956157

FORDICATION NO. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PALENTIN version 3.2

SEQ ID NO 25933

LENGTH: 25
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Sequence 1329, Application US/10717597

| Sequence 1329, Application US/10717597
| Publication No. US20040110221A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Twine, Natale C. | APPLICANT: Trepicchio, William L. | APPLICANT: Trepicchio, William L. | APPLICANT: Trepicchio, William L. | APPLICANT: Slonim, Donna K. | APPLICANT: Slonim, Donna K. | APPLICANT: Slonim, Donna K. | APPLICANT: SLover, Jennifer A. | APPLICANT: PRING NUMBER: US 60/459,782 | PRIOR PILING DATE: 2003-11-21 | PRIOR PILING DATE: 2003-11-21 | PRIOR PILING DATE: 2002-11-21 | SUPPLICANTON NUMBER: US 60/427,982 | PRIOR PILING DATE: 2002-11-21 | SUPPLICANTON NUMBER: US 60/427,982 | PRIOR PILING DATE: 2002-11-21 | SUPPLICANTON JENNIF OF SEQ ID NOS: 4904 | SOFTWARE: PATENTIN VERSION 3.2 | LENGTH: 25 | LENGT
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.5%; Score 25; DB 1; Length 25; CO.0%; Pred. No. 72;
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Sequence 25937, Application US/10956157

Sequence 25937, Application US/10956157

GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Wheth
APPLICANT: Weeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Worth
APPLICANT: MOUNTE, William
APPLICANT: MOUNTE, William
APPLICANT: MOUNTE, WILLIAM
APPLICANT: MOUNTE, ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROFEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157.
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25938
LENGTH: 25
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                                      DB 1; Length 25; 72;
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
                                   1.5%; Score 25; DB ilarity 100.0%; Pred. No. 72; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , Sequence 25938, Application US/10956157
, Publication No. US20050118625A1
, GENERAL INFORMATION:
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US-10-956-157-25938
                                      Query Match
Best Local Similarity
Matches 25; Conserv
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### APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WHOBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25936
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25935
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 72. Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     495 ITCTACTTCTGGATGAATGGTGACC 519
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-25936
                                                                                                                                                                                                                                                                                                                               TYPE: DNA
CRGANISM: Probe Sequence
US-10-956-157-25934
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US-10-956-157-25935
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GENERAL INFORMATION:

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APPLICANT: Wyeth

TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFFWARE: PatentIn version 3.2

LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wouls, William
APPLICANT: Wouls, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25942
LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
red. No. 72;
Mismatches
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  100.0%; Pred. No.
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                                                                      285 AAGAAAGAGGATGCCCTAAATGAGA 309
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Sequence 25942, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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, ORGANISM: Probe Sequence
US-10-956-157-25942
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US-10-956-157-25943
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 25941
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: WOULD:
APPLICANT: WYETH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 318805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25940
              TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEGARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25939
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches 0; Indels
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US-10-956-157-25941
US-10-956-157-25941, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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ORGANISM: Probe Sequence
US-10-956-157-25941
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; ORGANISM: Probe Sequence
US-10-956-157-25940
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US-10-956-157-25940
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Woute, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES PATENTALION VERSION 3.2
SEQ ID NO 25947
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wouth, William
TITLE OF INVENTION: HUMAN OSTEGARTHRITIS AND HUMAN PROTEASES
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SEQ ID NOS: 319805
SEQ ID NO 25548
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APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
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100.0%; Pred. No. 72;
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100.0%; Pred. No.
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                                                                          496 TCTACTTCTGGATGAATGGTGACCG 520
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                                                                                                                                                                                                                                                                                                          Sequence 25947, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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Matches 25; Conservative
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US-10-956-157-25948
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ORGANISM: Probe Sequence
US-10-956-157-25947
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VEXEION 3.2
SOFTWARE: PATENTIN VEXEION 3.2
LENGTH: 25
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES FILE REPRENCE: 031896-043000 (AM 101081) CURRENT APPLICATION NUMBER: US/10/956,157 CURRENT FILING DATE: 2004-10-04 WITH FILING DATE: 2004-10-04 SECURE OF SECUR
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
TITLE REFERENCE: 031906-043000 (AM 101001)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25945
LENGTH: 25
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72;
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0; Mismatches
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100.0%; Pred. No.
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Dublication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-25946
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; ORGANISM: Probe Sequence
US-10-956-157-25944
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ORGANISM: Probe Sequence
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Best Local Similarity
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25952
LENGTH: 25
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Publication No. US20050118625A1
Fublication No. US20050118625A1
Fublication No. US20050118625A1
Fublication No. US20050118625A1
Fublication No. US20050118625A1
APPLICANT: Wounts, William
TITLE OF INVENTION: UOLGEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: UNMERR. US/10/956,157
TITLE OF INVENTION: UNMERR. US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 25953
LENGTH: 25
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Publication No. US2050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth

TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-25952
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Fublication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25950
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Sequence 25951, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Weeth
APPLICANT: Wounts, WILLIAM
APPLICANT: WOUNDER: US/10/956,157
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNDER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 5: 2949
LENGTH: 25
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1.5%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches 0; Indels
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Pred. No. 72;
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; ORGANISM: Probe Sequence
US-10-956-157-25949
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US-10-956-157-25950
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ORGANISM: Probe Sequence
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Matches 25; Conserv
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Matches 25; Conserv
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US-10-956-157-25951
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Sequence 122144, Application US/10956157

Sequence 122144, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Woults, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

SOFTWARE: Patentin version 3.2
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TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERBION 3.2
SEQ ID NOS: 319805
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; Publication No. US20050118625A1
; Publication No. US20050118625A1
; APPLICANT: Wyeth
; APPLICANT: Mounts, William
; TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
; FILE REFERENCE: 031896-043000 (AM 101081)
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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304 ATGAGACCAGGGAATCAGAGACAAA 328
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GENERAL INFORMATION: APPLICANT: Wyeth
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                                          1 ATGAGACCAGGGAATCAGAGACAAA 25
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Best Local Similarity 100.0
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-122144
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LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOMATHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: 1010401)

CURRENT PELING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARKE: PATENTIN VETSION 3.2

SEQ ID NO 25956
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25955
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72;
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                           CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 31,9805
SOFTWARE: Patentin version 3.2
SEQ ID NO 25954
LENGTH: 25
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       FILE REFERENCE: 031896-043000 (AM 101081)
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ORGANISM: Probe Sequence
US-10-956-157-25956
                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-25954
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; ORGANISM: Probe Sequence
US-10-956-157-25955
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US-10-956-157-25956
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US-10-956-157-25955
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Sequence 139926, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wouth

TITLE OF INVENTION: HUMAN OSTEORETHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 139926

LENGTH: 25
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 140752
LENGTH: 25
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72;
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100.0%; Pred. No. 72;
trive 0; Mismatches
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100.0%; Pred. No.
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William
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       1 AGGATGCCCTAAATGAGACCAGGGA
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-139926
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US-10-956-157-140752
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US-10-956-157-139926
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US-10-956-157-140752
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TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US,10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 135244
LENGTH: 25
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ TWARE: PatentIn version 3.2
SEQ ID NO 131009
LENGTH: 25
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100.0%; Pred. No.
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Matches 25; Conservative
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US-10-956-157-134947
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US-10-956-157-131009
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Best Local Similarity
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US-10-956-157-134947
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LENGTH: 25
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                                                                                                                                               TYPE: DNA
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Sequence 156812, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wouts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 156812
LENGTH: 25
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Sublication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyelh
APPLICANT: Wounts,
TITLE OF INVENTION: HUGH CAID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUGH CAID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALEHLIN Version 3.2
SEQ ID NOS: 318656
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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72;
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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1 ACCGGCAGCAGACGCACATGCTGGA 25
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ORGANISM: Probe Sequence
US-10-956-157-158656
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ORGANISM: Probe Sequence
US-10-956-157-156812
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Best Local Similarity
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US-10-956-157-159440
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 011896-043000 (Am 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-110-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PARENTIN VETSION 3.2
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Sequence 146594, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weth

APPLICANT: Weth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

FILE REFERENCE: 011896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 146594
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72;
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100.0%; Pred. No. 72;
tive 0; Mismatches
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        CURRENT FILING DATE: 2004-10-04
                                NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-146594
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                                                                                                                                    TYPE: DNA ORGANISM: Probe Sequence
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LENGTH: 25
                                                                              SEQ ID NO 141327
LENGTH: 25
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APPLICANT: Mounts, William TITLE OF INVENTION: MOULEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: MUCLEIC ASEOARTHRITIS AND HUMAN PROTEASES FILE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081) CURRENT APPLICATION NUMBER: US/10/956,157 CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SOFTWARES PATENTAL NUMBER OF SEQ ID NOS: 319805 SOFTWARES PATENTAL VERSION 3.2 SEQ ID NO 174696
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Fublication No. US20050118625A1
Fublication Number No. US200501180A
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 174708
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Sequence 174902, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounts, William

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT PELICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
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100.0%; Pred. No. 72;
iive 0; Mismatches 0; Indels
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100.0%; Pred. No. ...
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US-10-956-157-174696
; Sequence 174696, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conservative
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ORGANISM: Probe Sequence
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TITLE OF INVENTION: HUGAET CALD ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 318905
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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US-10-956-157-172467
US-10-956-157-172467
Sequence 172467, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
Mounts, William
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NUMBER OF SEQ ID NOS: 319805
SOFWARE: Patentin version 3.2
SEQ ID NO 159440
LENGTH: 25
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Matches 25; Conservative
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ORGANISM: Probe Sequence
                                                                                                 TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-159440
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US-10-956-157-168291
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Best Local Similarity
Matches 25, Conserva
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Matches 25; Conserv
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US-10-956-157-168291
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GENERAL INFORMATION:

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APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Wounts, William

TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES

TITLE OF INVENTION WIMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 178867
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APPLICANT: Worth
APPLICANT: Mounts, Milliam
APPLICANT: Mounts, Milliam
APPLICANT: Mounts, Milliam
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
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APPLICANT: Wyeth
APPLICANT: Mounte, William
APPLICANT: Mounte, William
APPLICANT: Mounte, William
APPLICANT: Mounte, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERRNCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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100.0%; Pred. No. ...
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ilarity 100.0%; Pred. No. 72;
Conservative 0; Mismatches
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US-10-956-157-178867
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Best Local Similarity
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                RESULT 61
JS-10-956-157-178867
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Best Local 6
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 178590
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                               Sequence 176821, Application US/10956157

Sequence 176821, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTECARTRRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTRRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTRRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 176821

LENGTH: 25
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                                                                                                                                              1.5%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 72; tive 0; Mismatches 0; Indels
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SOFTWARE: Patentin version 3.2
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Matches 25, Conservative
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25; Conservative
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ORGANISM: Probe Sequence
                                                                TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-174902
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-178550
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                      SEQ ID NO 174902
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APPLICANT: Wyeth
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES: PatentIn version 3.2
SEQ ID NO 186914
LENGTH: 25
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Publication No. US20050118625A1
Publication No. US20050118625A1
Publication No. US20050118625A1
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin Version 3.2
SEQ ID NO 188008
LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 188038
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100.0%; Pred. No. ...
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                                             Sequence 186914, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 25; Conservative
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Matches 25; Conservative
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US-10-956-157-186914
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ORGANISM: Probe Sequence
                       US-10-956-157-186914
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US-10-956-157-188038
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TITLE OF INVENTION: WOCKET ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 10.08)1
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 255
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROFEASES
FILE REPERRNCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 186908
LENGTH: 25
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100.0%; Pred. No. ...
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                                                                                                                                                           Best Local Similarity 100. Matches 25; Conservative
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Best Local Similarity 100.
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                                             TYPE: DNA
ORGANISM: Probe Sequence
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ORGANISM: Probe Sequence
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US-10-956-157-186908
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Matches 25; Conserv
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US-10-956-157-186903
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US-10-956-157-186908
SEQ ID NO 186902
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APPLICANT: Wyeth
APPLICANT: Wounte, William
APPLICANT: Wounte, William
APPLICANT: Wounte, William
APPLICANT: Wounte, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VEFSION 3.2
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 193726
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 0.31866-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 144937
LENGTH: 25
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100.0%; Pred. No. 72;
tive 0; Mismatches
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100.0%; Pred. No. 72;
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
         Sequence 191107, Application US/10956157 Publication No. US20050118625A1 GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-193726
                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-193107
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US-10-956-157-194937
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                                                                                                                                                                                                                                                                                                    SEQ ID NO 193107
LENGTH: 25
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Publication No. US20050118625A1

Publication No. US20050118625A1

REMERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, Wolfer CID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 189641

LENGTH: 25
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APPLICATT: Wyeth
APPLICATT: Mounts, William
APPLICATT: Mounts, William
APPLICATT: Mounts, William
APPLICATT: Mounts, William
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 191487
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100.0%; Pred. No. /2,
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100.0%; Pred. No. 72;
ive 0; Mismatches
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                                                                                        Query Match
Best Local Similarity 100.0
Matches 25; Conservative
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-189641
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ORGANISM: Probe Sequence
                        TYPE: DNA
ORGANISM: Probe Sequence
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US-10-956-157-191487
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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APPLICANT: Worth
APPLICANT: Worth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, MIDGERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 199713
LENGTH: 25
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| Sequence 206442, Application US/10956157
| Publication No. US20050118625A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
| FILE REPERENCE: 031896-043000 (AM 101081)
| CURRENT APPLICATION NUMBER: US/10/956,157
| CURRENT APPLICATION NUMBER: US/10/956,157
| CURRENT APPLICATION NUMBER: US/10/956,157
| UNDHER OF SEQ ID NOS: 319805
| SOFTWARE: Patentin version 3.2
| LENGIH: 25
| TYPE: DNA
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100.0%; Pred. No. ...
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Sequence 196424, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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SEQ ID NO 196424
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Sequence 195328, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wounts, WIlliam

APPLICANT: Wounts, WILLIAM

TITLE OF INVENTION: HUMAN OGTECARTHRITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNDER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 195328

LENGTH: 25
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CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 195368
LENGTH: 25
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100.0%; Pred. No. 72;
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                                                                                          1.5%; Score 25; DB 100.0%; Pred. No. 72; ive 0; Mismatches
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US-10-956-157-195368
; Sequence 195368, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INPORMATION:
; APPLICANT: Wyeth
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Best Local Similarity 100.(
Matches 25; Conservative
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                      ; ORGANISM: Probe Sequence
US-10-956-157-194937
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; ORGANISM: Probe Sequence
US-10-956-157-195368
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-196424
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  TYPE: DNA
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Woth
APPLICANT: Woth
APPLICANT: Woth
APPLICANT: Wounts, William
TITLE OF INVENTION: UUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 215054
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITTS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITTS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITTS AND HUMAN PROTEASES

TITLE OF INVENTION: UNDERS: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 218349
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APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXE
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILIG DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VEISION 3.2
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Publication No. US20050118625A1 GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25, Conservative
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-216983
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ORGANISM: Probe Sequence
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US-10-956-157-215054
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LENGTH: 25
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Publication No. US20050118625A1
FEBREAL INFORMATION:
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 212934
                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF 100 1896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 208499
LENGTH: 25
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                                                                       1.5%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 72; tive 0; Mismatches 0; Indels
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US-10-956-157-215054
; Sequence 215054, Application US/10956157
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 100.
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-208499
         ; ORGANISM: Probe Sequence
US-10-956-157-206442
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Best Local Similarity
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US-10-956-157-208499
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES PATENTIN VERSION 3.2
SEQ ID NO 219734
LENGTH: 25
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Sequence 220245 Application US/10956157

Sequence 220245 Application No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 220245

LENGTH: 25
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; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Wounts, William
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
; TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
; TITLE OF INVENTION NUMBER: US/10/956,157
; CURRENT APPLICANTON NUMBER: US/10/956,157
; CURRENT PILING DATE: 2004-10-04
; NUMBER OF SEQ ID NOS: 319805
; SEGTWARER PACENTIN VERSION 3.2
; SEQ ID NO 221279
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72;
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US-10-956-157-219734
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US-10-956-157-220245
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  GENERAL INFORMATION:
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US-10-956-157-221279
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; ORGANISM: Probe !
US-10-956-157-221279
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: WPUCH

APPLICANT: WPUCH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNMBER: US/10/956.157

CURRENT APPLICATION NUMBER: US/10/956.157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

SEQ ID NO 218351

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Moute, william
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: UNDER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 218350
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100.0%; Pred. No. ...
0; Mismatches
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100.0%; Pred. No. 72;
tive 0; Mismatches
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                                          Query Match
Best Local Similarity 100.
Matches 25; Conservative
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-218350
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US-10-956-157-218351
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US-10-956-157-219734
US-10-956-157-218349
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US-10-956-157-218351
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ALTILE OF INVENTION. NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: 105/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 225352
LEMOTH: 2004-10-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: Wouls, William
APPLICANTON: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES: Patentin version 3.2
SEQ ID NO 228789
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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100.0%; Pred. No. 72;
ative 0; Mismatches
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity
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US-10-956-157-228789
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: 20/4-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 221280
LENGTH: 25
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Pred. No.
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US-10-956-157-225352
; Sequence 225352, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0%; Pi
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US-10-956-157-222407
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US-10-956-157-221280
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-221280
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Page 24

"TITLE OF INVENTION: WILLIAM COLERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES; FILE REPERENCE: 031896-043000 (AM 101081)

"CURRENT APPLICATION NUMBER: US/10/956,157; CURRENT PILING DATE: 2004-10-04; NUMBER OF SEQ ID NOS: 319805; SOFTWARE: Patentin version 3.2; SEQ ID NO 231573; LENGTH: 25; TVENTY 2
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Sequence 231783, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Mounts, William
ITTLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
FILE REPRESENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 231783
LENGTH: 25
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Publication No. US20050118625A1

GRBEAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WHOMER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 231724

LENGTH: 25
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100.0%; Pred. No. 72;
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-231724
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APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 230136
LENGTH: 25
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APPLICANT: Wyerh
APPLICANT: Wyerh
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN GSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
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; Sequence 230136, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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; ORGANISM: Probe Sequence
US-10-956-157-230136
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Best Local Similarity
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Matches 25; Conserv
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US-10-956-157-230317
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US-10-956-157-231573
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LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 237762
LENGTH: 25
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TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 225882
LENGTH: 25
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100.0%; Pred. No. ...
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100.0%; Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 235882, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION: APPLICANT: Wyeth
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ORGANISM: Probe Sequence
US-10-956-157-236817
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US-10-956-157-235882
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US-10-956-157-233762
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Best Local Similarity
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25, Conserv
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Matches 2
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Sequence 233030, Application US/10956157

Sequence 233030, Application US/10956157

Sequence 233030, Application US/10956157

Sequence 233030, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: WILLIAM

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WYBER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

SEQ ID NO 233030

LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTRRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECARTRRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 232704
LENGTH: 25
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+ive 0; Mismatches
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100.0%; Pred. No. 72;
ive 0; Mismatches
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                                                                                    1137 GAGCAGTTTAACTGGGTGTCCCGGC 1161
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                                                                                                      1 GAGCAGTTTAACTGGGTGTCCCGGC 25
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Ubblication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 25; Conservative
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                                         25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-233030
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Matches 25; Conserv
                      Best Local Similarity
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RESULT 108
US-10-956-157-253138
Sequence 253138, Application US/10956157
Publication No. US20550118625A1
GENERAL INPORMATION:
APPLICANT: Wouths, William
APPLICANT: Wouths, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFRENCE: 031986-043000 (AM 101081)
CURRENT APPLICATION NUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NOS: 319805
SEQ ID NO 253138
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Woute, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARER PATENT.
SEQ ID NO 222760
LENGTH: 25
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    TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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                     FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PEPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
LENGTHARE: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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CORGANISM: Probe Sequence
US-10-956-157-252760
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Best Local Similarity
Matches 25; Conserv
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRIIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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US-10-956-157-243092
US-10-956-157-243092
Squence 233092, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
                                                                                                                                                                                                                                                                  APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
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  0; Indels
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  0; Mismatches
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Pred. No.
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                                                                                                                                                                                                    ; Sequence 237638, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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                                               GAGGCATGATGAAGACTCTGCTGCT 67
                                                                                     1 GAGGCATGATGAAGACTCTGCTGCT 25
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Matches 25; Conservative
  25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-237638

// ORGANISM: Probe Sequence
US-10-956-157-238337
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Matches 25, Conserv
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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Sequence 266662, Application US/10956157

Sequence 266662, Application US/10956157

Sequence 266662, Application US-10-956-157

Sequence 266662, Application US-10-956-157

SEQUENCE NOT US US-10-956-157

APPLICANT: Wounts, William

TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: WUMBER: US/10/956,157

CURRENT APPLICATION WUMBER: US/10/956,157

CURRENT APPLICATION WUMBER: US/10/956,157

WUMBER OF SEQ ID NOS: 319805
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100.0%; Pred. No. 72;
iive 0; Mismatches
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2556203
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
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US-10-956-157-261789
                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-256203
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Squence 25557, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANTON: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECARTRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 255957
LENGTH: 25
                                                                                                                                                                                         Sequence 25424, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Weeth
APPLICANT: Wounts, William
APPLICANT: MOUNTS, WILLE OF INVENTION: HUWAN OSTEOARTHRITS AND HUWAN PROTEASES
TITLE OF INVENTION: HUWAN OSTEOARTHRITS AND HUWAN PROTEASES
FILE REFERENCE: 031996-043000 (AM 101081)
CURRENT APPLICANTON NUMBER: US/10/956.157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOCTION OS 55424
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Woeth
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
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100.0%; Pred. No. 'z.,
'... 0; Mismatches
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1.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 72;
Matches 25; Conservative 0; Mismatches
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-255957
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ORGANISM: Probe Sequence
US-10-956-157-255424
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WS-10-956-157-274079

Sequence 274079

Sequence 274079
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Publication No. US20050118625A1

Publication No. US20050118625A1

Publication No. US20050118625A1

APPLICANT: Wounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, William

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

LENGTH: 25
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100.0%; Pred. No. ...
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CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ TWARE: PatentIn version 3.2
LENGTH: 25
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Best Local Similarity 100.
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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                                                                                                                                                                                                                                                                     APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-0433000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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APPLICANT: Worth
APPLICANT: Wounts, william
APPLICANT: Mounts, william
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 25; DB 1; Length 25; 
; Pred. No. 72;
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  566 GGATGTCATGCAGGACCACTTCAGC 590
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 269972, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
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US-10-956-157-273702
US-10-956-157-273702, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Wyeth

                                                 GGATGTCATGCAGGACCACTTCAGC 25
                                                                                                                                                                     Sequence 268124, Application US/10956157; Publication No. US20050118625A1 GENERAL INFORMATION: APPLICANT: Wyeth
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Best Local Similarity 100.
Matches 25; Conservative
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US-10-956-157-268124
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ORGANISM: Probe Sequence
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US-10-956-157-269972
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LENGTH: 25
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Sequence 285427, Application US/10956157
Publication No. US20050118625A1
Publication No. US20050118625A1
FABRELICANT: Worth
APPLICANT: Wounts, William
APPLICANTON: UNCLERC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PAPLICANTON NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 285427
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
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72;
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100.0%; Pred. No. '..,
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CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SOFTWARE: Patentin version 3.2 SEQ ID NO 281215 LENGTH: 25
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Best Local Similarity 100.
Matches 25; Conservative
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CRGANISM: Probe Sequence
US-10-956-157-285427
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US-10-956-157-285561
                                                                                                                           TYPE: DNA
CRGANISM: Probe Sequence
US-10-956-157-281215
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LENGTH: 25
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Sequence 279222, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
ENGTHARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wounte, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-0413000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
                                                                                                                                                                                                                                                    APPLICANT: Mounts, William TITLE OF INVESTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REPERRICE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NOWER: 2004-10.04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 224647
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100.0%; Pred. No. 72,
tive 0; Mismatches
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                                                                                                                                                     Sequence 274647, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION:
APPLICANT: Wyeth
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     GGCGAAGACCAGTACTATCTGCGGG 25
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nes 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-279222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Probe Sequence
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US-10-956-157-281215
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RESULT 128
US-10-556-157-292272
Sequence 292272, Application US/10956157
Fourier in No. US20050118625A1
GENERAL INFORMATION:
TITLE OF INVERTION: WOCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: WOLLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PELLIOR DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE PACENTIN VERSION 3.2
SEQ ID NO 292272
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 292100, Application US/10956157

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 292100
LENGTH: 25
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72;
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100.0%; Pred. No.
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                    SOFTWARE: PatentIn version 3.2
SEQ ID NO 291738
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
                                                                                                                                                                                             Best Local Similarity 100.
Matches 25, Conservative
                                                                                    TYPE: DNA; ORGANISM: Probe Sequence US-10-956-157-291738
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ORGANISM: Probe Sequence
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ORGANISM: Probe
NUMBER OF SEQ ID
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                                                       RESULT 124
US-10-956-157-285688
US-10-956-157-285688
US-10-956-157-285688
Sequence 285688 Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: MYBER: US/10/956,157
CURRENT PELLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 285688
LENGTH: 25
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TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN version 3.2
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US-10-956-157-291738
Sequence 2917318, Application US/10956157
Sequence 2917318, Application US/10956157
Sequence 2917318, Application US/10956157
GENERAL INFORMATION:
APPLICANT: Weeth
TITLE OF INVENTION: HUMAN OSTECAETHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECAETHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
  1 TGCAATGAGACCATGATGGCCCTCT 25
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Matches 25; Conservative
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US-10-956-157-287832
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Best Local Similarity
Matches 25; Conservat
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US-10-956-157-287832
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LENGTH: 25
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publication No. US20050118625A1
| Publication No. US20050118625A1
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| TITLE OF INVENTION: HUMAN OSTECARTHAITIS AND HUMAN PROTEASES
| NUMBER OF SEQ ID NOS: 319805
| SEQ ID NO 317598
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US-10-956-157-287991
Sequence 287991, Application US/10956157
Sequence 287991, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Woeth
APPLICANT: Mounts, William
APPLICANT: Mounts, William
FILE PEPERENCES: 031996-043000 (AM 101081)
TITLE OF INVENTION: HUMAN OSTEOMRTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOMRTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOMRTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 287991
LENGTH: 25
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Pred. No. 90;
Mismatches 0
                                                                                                                                                             DB 1;
72;
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v 100.0%; Pred. No. '-.
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Pred. No.
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100.0%; Pre
SOFTWARE: Patentin version 3.2
SEQ ID NO 316681
LENGTH: 25
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; ORGANISM: Probe Sequence
US-10-956-157-317598
                                                                      ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-316681
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Best Local Similarity
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US-10-956-157-287991
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Best Local
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Sequence 316681, Application US/10956157
Sequence 316681, Application Vo. US20050118625A1
Sequence 316681, Application Vo. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPRENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT APPLICATION WUMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FITLE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN Version 3.2
SEQ ID NO 302171
LENGTH: 25
                                                                                       Sequence 297166, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITE AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNDER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 297166
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100.0%; Pred. No.
ive 0; Mismatc
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ORGANISM: Probe Sequence
US-10-956-157-297166
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US-10-956-157-302171
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Best Local Similarity
Matches 25; Conserv
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Matches 25; Conserv
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APPLICANT: Gleave, Martin
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APPLICANT:
APPLICANT:
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; Publication No. US20030166591A1
; GENERAL INFORMATION:
    APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Myake, Hideaki
; APPLICANT: Monia, Brett P.
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
; CURRENT APPLICATION NUMBER: US/10/080, 794
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RESULT 134
US-10-719-956-187214
US-10-719-956-187214

Sequence 187214, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

PAPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT APPLICATION NUMBER: 05/427,836

PRIOR PILING DATE: 2002.11 20

PRIOR FILING DATE: 2002.11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 187214

LENGTH: 25

LENGTH: 25
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PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 16
LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Rattus norvegicus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Matches 24; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: HUMAN
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US-10-080-794-17/c
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US-10-080-794-16
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APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Rett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLECTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLECTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLECTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC. P-020-3
CURRENT APPLICATION NUMBER: US/10/090,794
FUOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PATENTIN VET. 2.1
SECTION 17
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; Bednece 5, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: 1818 Pharmaceuticals, Inc.
; APPLICANT: Brett F. Monia M. Freier
; TITLE OF INTENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 5
; LENGTH: 23
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1.4%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 93;
Matches 23; Conservative 0; Mismatches 0; Indels
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Signaevsky, Maxim
Beraldi, Eliana
Trougakos, Ioannis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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RESULT 142
US-10-956-157-291041
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ORGANISM: human
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                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakes, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RAÀI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P.030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PELING DATE: 2002-08-21
PRIOR PELING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEO ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 23
           TILLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT PILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-09-03
SPRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin Version 3.2
LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
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100.0%; Pred. No. >c.
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1.4%; Score 23; DB
Best Local Similarity 100.0%; Pred. No. 93;
Matches 23; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-646-436-60
. Sequence 60, Application US/10646436
. Publication No. US20040096882A1
. GENERAL INFORMATION:
Gonos, Efstathios
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Best Local Similarity 100.
Matches 23; Conservative
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ORGANISM: human
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CRGANISM: human
US-10-646-436-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-646-436-63
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| Sequence 66, Application US/10646436
| Sequence 66, Application US/10646436
| Publication No. US20040096882A1
| GENERAL INFORMATION:
| APPLICANT: Jamsen, Burkhard
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| APPLICANT: Beraldi, Eliana
| APPLICANT: Grous, Effecthios
| TITLE OF INVENTION: RNA! Probes Targeting Cancer-Related Proteins
| TITLE OF INVENTION: RNA! Probes
| FILE REFERENCE: UBC.P-030
| CURRENT FILING DATE: 2003-08-21
| PRIOR APPLICATION NUMBER: US 60/408,152
| PRIOR FILING DATE: 2002-09-03
| PRIOR FILING DATE: 2003-09-03
| PRIOR FILING DATE: 2003-09-03
| NUMBER OF SEQ ID NOS: 68
| NUMBER OF SEQ ID NOS: 68
| SOFTWARE: Patentin version 3.2
APPLICANT: Trougack, internal APPLICANT: Trougack, Industry APPLICANT: Gonos, Efstathios TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins FILE REFERENCE: UBC. P-030 CURRENT APPLICATION NUMBER: US/10/646,436 CURRENT APPLICATION NUMBER: US/10/646,436 CURRENT APPLICATION NUMBER: US 60/405,193 PRIOR APPLICATION NUMBER: US 60/408,152 PRIOR PILING DATE: 2002-09-03 PRIOR PILING DATE: 2002-09-03 PRIOR FILING DATE: 2003-05-20 NUMBER OF SEQ ID NOS: 68 SOFTWARE: Patentin Version 3.2 SOFTWARE: Patentin Version 3.2 SEQ ID NO 63
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. 93;
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93;
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Mismatches
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1.4%; Score 23; DB
Best Local Similarity 100.0%; Pred. No. 93;
Matches 23; Conservative 0; Mismatches
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Best Local Similarity 100.0
Matches 23; Conservative
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Mounts, Milliam
APPLICANT: Mounts, Milliam
APPLICANT: Mounts, Milliam
APPLICANT: Mounts, Milliam
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FUREAT APPLICATION MURBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn Version 3.2
SOFTWARE: PatentIn Version 3.2
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Wounte, William

TITLE OF INVENTION: HUMAN OSTEOARTHAITS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 20044-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NOS: 319805

SEQ ID NO 167171

LENGTH: 25
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1.4e+02;
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Best Local Similarity 100.
Matches 22; Conservative
                                                                                                           ; ORGANISM; Probe Sequence
US-10-956-157-167169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-167170
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CORGANISM: Probe Sequence
US-10-956-157-167171
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US-10-956-157-228788
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TITLE OF INVENTION: William

TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

NUMBER OF SEQ ID NOS: 318805

SOFTWARE: Patentin version 3.2

SEQ ID NO 291041

LENGTH: 25

TYPE: ....
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TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERBACE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PELLIA GAME: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 167169
LENGTH: 25
TYPE: DNA
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100.0%; Pred. No. 1e+02;
tive 0; Mismatches 0; Indels
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| Publication No. US20050152908A1
| GENERAL INFORMATION:
| APPLICANT: Liew, Choong-Chin
| TITLE OF INVENTION: LIVER CANCER BIOMARKERS
| FILE REPERENCE: 4231/2072
| CURRENT APPLICATION NUMBER: US/10/980,850
| CURRENT FILING DATE: 2004-11-03
| PRIOR PPLICATION NUMBER: US 60/516,853
| PRIOR FILING DATE: 2003-11-03
| NUMBER OF SEQ ID NOS: 46
| SEQ ID NO 34
| LENGTH: 22
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US-10-956-157-167169
; Sequence 167169, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Best Local Similarity 100.0
Matches 23; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-291041
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Best Local Similarity
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US-10-980-850-34/c
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                                                                 Length 25;
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT PAPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 417946
LENGTH: 25
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 417945
LENGTH: 25
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92.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 2;
                                                          Score 21.8; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 2;
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                                                                                                                                                                                                            1269 AAGCTCTTTGACTCTGATCCCATCA 1293
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; Publication No. US20050026164A1
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publication No. US20050026164A1
GENERAL INFORMATION:
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; Publication No. US20050026164A1
; GENERAL INFORMATION:
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Best Local Similarity 92.0%;
Matches 23; Conservative
                                                                 Query Match
Best Local Similarity 92.0%;
Matches 23; Conservative C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Mus musculus
US-10-719-900-417945
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US-10-719-900-815718
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US-10-719-900-56804
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US-10-
                                                                                       APPLICANT: Mounts, William
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PALENTIN Version 3.2
SEQ ID NO 228788
LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56804
LENGTH: 25
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Sequence 56804, Application US/10719900

Sequence 56804, Application US/10719900

Publication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REPRENCE: 3528.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002-11-20

PRIOR FILING DATE: 2002-11-20
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          Publication No. US20050118625A1
GENERAL INFORMATION:
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ORGANISM: Probe Sequence
US-10-956-157-279365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-228788
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Best Local Similarity
                                                                                   APPLICANT: Wyeth
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LENGTH: 25
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TYPE: DNA
CORGANISM: Mus musculus
US-10-809-189-31760
SEQ ID NO 31760
                        LENGTH: 25
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US-10-19-900-892165
US-10-719-900-892165
; Sequence 892165, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Met hods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SEQ ID NO 892165
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.3%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 1.4e+02; Matches 23; Conservative 0; Mismatches 2; Indels
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         APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 3523.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 06/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 815718
LENGTH: 25
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Publication No. US2050048531A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/10/809,189
CURRENT PILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR RILING DATE: 1998-09-15
PRIOR RILING DATE: 1998-09-15
NUMBER: FO SEQ ID NOS: 127806
SOFTWARE: FASTESQ for Mindows Version 4.0
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Matches 23; Conservative
                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-815718
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US-10-719-900-892165
GENERAL INFORMATION:
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US-10-809-189-31760
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                                                        Gaps
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Sequence 187213, Application US/10719956

Publication No. US2040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVERNION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 357.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT PILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11-20

PRIOR FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 187213

LENGTH: 25

TURNICH: 25
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APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 357.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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1.3%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2; Indels
     Length 25,
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Score 21.8; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 2;
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Pred. No. 1.4e+02;
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1.3%; Score 21.8; D
Best Local Similarity 92.0%; Pred. No. 1.4e
Matches 23; Conservative 0; Mismatches
                                                                                                    1270 AGCTCTTTGACTCTGATCCCATCAC 1294
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US-10-719-956-30749/c
; Sequence 30749, Application US/10719956
; Publication No. US20040146910A1
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     Query Match
Best Local Similarity 92.0%;
Matches 23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Rattus norvegicus US-10-719-956-30749
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; ORGANISM: Rattus norvegicus
US-10-719-956-187213
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; LENGTH: 25
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-612442
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Best Local Similarity 100.º
Matches 21, Conservative
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ORGANISM: HUMAN
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US-09-944-326-4/c
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US-10-719-956-374026/c

US-10-719-956-374026/c

Sequence 374026, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 357.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT APPLICATION NUMBER: 06/427,836

PRIOR PILING DATE: 2002 11 20

RIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 374026

**LENGTH: 25

**LENGTH: 25

**LENGTH: 25
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US-10-719-956-612442/c
| Sequence 612442/c
| Sequence 612442/c
| Sequence 612442/c
| Sequence 612442/c
| Sequence 61242, Application US/10719956
| Publication No. US20040146910A1
| GENERAL INFORMATION:
| APPLICART: Xue Mei Zhou
| TITLE OF INVENTION: Methods of Genetic Analysis of Rat
| FILE REFERENCE: 3527.1
| CURRENT APPLICATION NUMBER: US/10/719,956
| CURRENT FILING DATE: 2003-11-20
| PRIOR APPLICATION MUMBER: 60/427,836
| PRIOR FILING DATE: 2002 11 20
| NUMBER OF SEQ ID NOS: 699466
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
| SEQ ID NO 612442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 501381. Application US/10719956;
Publication No. US/20040146910A1
GENERAL INFORMATION:
FAPPLICANT: Kue Mei Zhou
TITLE OF INVENTION:
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PELICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 501381
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1.3%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2; Indels
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Pred. No. 1.4e+02;
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; ORGANISM: Rattus norvegicus
US-10-719-956-501381
                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Rattus norvegicus
US-10-719-956-374026
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Best Local Similarity 92.0
Matches 23; Conservative
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  Length 25;
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100.0%; Pred. No. 1.2e+02;
iive 0; Mismatches 0;
Query Match
1.3%; Score 21.8; DB 1;
Best Local Similarity 92.0%; Pred. No. 1.4e+02;
Matches 23; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                  Sequence 3, Application US/09944326; Sequence 3, Application US/09944326; Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Remnie, Hideaki
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 05/121,726
PRIOR PLING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nalabon, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
                                                                                            1149 TGGGTGTCCCGGCTGGCAAACCTCA 1173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-3
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Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
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0; Gaps

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Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                            RESULT 164
US-09-944-226-7/C

Sequence 7, Application US/09944326
Fatent No. US20020122220A1
GENERAL INFORMATION:
APPLICANT: Glacke, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nalason, Colleen
TTILE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FALINGN NUMBER: 0209-944,326
CURRENT FILING DATE: 1999-02-26
FRIOR APPLICATION NUMBER: 09/913,726
FRIOR APPLICATION NUMBER: 09/913,325
FRIOR APPLICATION NUMBER: 09/913,325
FRIOR RILING DATE: 1999-02-26
FRIOR FILING DATE: 1999-02-26
FRIOR RILING DATE: 109-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 7
LENGTH:: 21
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Sequence 8, Application US/09944326
Fatent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Renie, Paul S.
APPLICANT: Melson, Colleen
ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY
ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY
FILE REFERENCE: USC.P0.00-0
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 09/913,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR PILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATENTIN UNET: 2.1
SEQ ID NO 8
LEMCTH: 21
TYPE: DNA
ORGANISM: HUMAN
FEATURE:
CTHER INFORMATION: antisense TRPM-2 ODN
        ; OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-7
                                                                                                                                                                                      316 AATCAGAGACAAAGCTGAAGG 336
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ORGANISM: HUMAN
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                                                                                                        Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                Sequence 5, Application US/09944326;
Patent No. US2002012822041
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nalson, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2;
CURRENT APPLICATION NUMBER: US/09/944,326
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATENTING PATE: 2011-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 5
LENGTH: 21
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APPLICANT: Rennie, Paul S.
APPLICANT: Myake, Hideaki
APPLICANT: Myake, Hideaki
APPLICANT: Myake, Hideaki
APPLICANT: Myake, Hideaki
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENDTH: 21
; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
OTHER INFORMATION: antisense TRPM-2 ODN
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                                                                                                                                                                                                              48 ATGATGAAGACTCTGCTG 68
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US-09-944-326-6/c
US-09-944-326-6/c
; Sequence 6, Application US/09944326
; Patent No. US20020128220A1
; GENERAL INFORMATION
                                                                                                                                                                                                                                                               21 Argardadacrerecrecia 1
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ORGANISM: HUMAN
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US-09-944-326-5/c
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; OTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-12
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                                                                                                          1115 CTCCTTGCTGGAGCAGCTGAA 1135
                                                                                                                                                                                                                                                                     Sequence 11, Application US/09944326
Patent No. US20020128220A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
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                                                                                                                                                      21 crccrrccrccaccaccaca
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ORGANISM: HUMAN
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US-09-944-326-11/c
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                                      Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                       Sequence 9, Application US/09944326
; Sequence 9, Application US/09944326
; Patent No. US2020128220A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
; APPLICANT: Rennie, Paul S.
; APPLICANT: Miyake, Hideaki
; APPLICANT: Miyake, Colleen
; TITLE OF INVENTION: TRRW-2 ANTISENSE THERAPY
; FILE REFERENCE: UBC.P-0.20-2
; CURRENT APPLICATION NUMBER: 05/944,326
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR PILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 9
; LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 10, Application US/09944326
; Sequence 10. Application US/09944326
; Sequence No. US20020128220A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin.
; APPLICANT: Remise, Paul S.
; APPLICANT: Miyake, Hideaki
; APPLICANT: Miyake, Hideaki
; APPLICANT: Nelson, Colleen
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
; FILE REFERENCE: UBC.P-020-2
; CURRENT APPLICATION NUMBER: US/09/944,326
; CURRENT FILING DATE: 2001-08-30
; PRIOR APPLICATION NUMBER: 60/121,726
; PRIOR FILING DATE: 1999-02-26
; PRIOR FILING DATE: 1999-02-26
; PRIOR FILING DATE: 1999-02-36
; PRIOR FILING DATE: 1999-02-36
; PRIOR FILING DATE: 1999-02-36
; PRIOR FILING DATE: 2001-08-10
; SEQ ID NO: 10
; SEQ ID NO: 10
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COTHER INFORMATION: antisense TRPM-2 ODN US-09-944-326-10
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; OTHER INFORMATION: antisense TRPM-2 ODN
US-09-944-326-9
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                                                                                                                                     716 CCGCATCGTCCGCAGCTTGAT 736
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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US-09-944-326-8
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  Length 21;
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Query Match
1.3%; Score 21; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: TREM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT APPLICANTION NUMBER: US/09/944,326; CURRENT FILING DATE: 1999-02-26; PRIOR FILING DATE: 1999-02-26; PRIOR FILING DATE: 1999-02-26; PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SEQ ID NO 12
LENGTH: 21
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1.3%; Score 21; DB 1;
Best Local Similarity 100.0%; Pred. No. 1.2e+0:
Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                            APPLICANT: Green, Marke, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelbon, Colleen
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
FILE REFERENCE: UBC.P-020-2
CURRENT FILING DATE: 2001-08-30
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PALENTIN VET: 2.1
LENGTH: 21
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Sequence 4, Application US/09967726A

Publication No. US20030158130A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Remie, Paul S.
APPLICANT: Melson, Colleen
APPLICANT: Sellweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: 109-28

NUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.1

EBNGTH: 21
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Sequence 5, Application US/09967726A

Sequence 5, Application US/09967726A

Sequence 5, Application WS 09967726A

Sequence 5, Application WS 080030158130A1

Sequence 5, Application Wartin

APPLICANT: Gleave, Martin

APPLICANT: Miyake, Hideaki

APPLICANT: Miyake, Hideaki

APPLICANT: Molson, Colleen

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION: UMGER: US, 09/967, 726A

CURRENT FILING DATE: 2001-09-28

WUMBER OF SEQ ID NOS: 15

SOFTWARE: PatentIn version 3.1

SEQ ID NO 5

LENGTH: 21
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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Publication No. US20030188130A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Myake, Hideaki
APPLICANT: Nolson, Colleen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                48 ATGATGAAGACTCTGCTG 68
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Best Local Similarity 100.0
Matches 21; Conservative
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ORGANISM: human
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US-09-967-726A-6/c
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US-09-967-726A-3/c
| Sequence 3, Application US/09967726A
| Sequence 3, Application No. US20030158130A1
| GENERAL INFORMATION:
| APPLICANT: Gleave, Martin
| APPLICANT: Rennie, Paul S.
| APPLICANT: Melson, Colleen
| APPLICANT: Delase
| APPLICANT: Delase
| APPLICANT: Melson, Colleen
| APPLICANT: Melson, Colleen
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| APPLICANT: Delase
| APPLICANT: Melson, Colleen
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| APPLICANT: Dela
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US-09-459-749D-14
; Sequence 14, Application US/09459749D
; Patent No. US20020136716A1
; GENERAL INFORMATION:
; APPLICANT: Millis, Albert J. T.
; TITLE OF COMPOSITION NUMBER: US/09/459,749D
; CURRENT FILING DATE: 1999-12-10
; PRIOR PELICATION NUMBER: 60/111,856
; RIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE PATENTIN Ver. 2.1
; SEQ ID NO 14
; LENGTH: 21
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1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                              1516 AGGCCCCCAACTCCGCCCAGC 1536
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ORGANISM: Artificial Sequence
                                    Local Similarity 100.
nes 21; Conservative
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   Query Match
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US-09-967-726A-10/c
US-09-967-726A-10/c
US-09-967-726A-10/c
Sequence 10, Application US/09967726A
Sequence 10, Application No. US20030158130A1
GENERAL INFORMATION:
APPLICANT: Remaie, Paul S.
APPLICANT: Remaie, Paul S.
APPLICANT: Relace, Hideaki
APPLICANT: Relson, Colleen
APPLICANT: Colleen
APPLICANT: OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRFM-2
ITILE OF INVENTION: Oligonuclectides
ITILE OF INVENTION: Oligonuclectides
FILE REFERENCE: UBC.P-02
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 10
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1S-09-19 67-726A-9/C

1S-09-19 67-726A-9/C

1S-09-10 67-726A-9/C

1S-09-10 67-726A-9/C

1S-09-10 70 70-726A-9/C

1S-09-10 70 70-726A-9/C

1S-09-10 70 70-726A-10 70-7
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                 1.3%; Score 21; DB 1; Length 21;
100.0%; Pred. No. 1.2e+02;
ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
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Best Local Similarity 100.0
Matches 21; Conservative
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Best Local Similarity 100.
Matches 21, Conservative
                  ; LENGTH: 21
; TYPE: DNA
; ORGANISM: human
US-09-967-726A-8
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ORGANISM: human
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; Sequence 7, Application US/09967726A
; Publication No. US20030158130A1
; GENERAL INFORMATION:
; APPLICANT: Rennie, Faul S.
; APPLICANT: Rennie, Paul S.
; APPLICANT: Myake, Hideaki
; APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; APPLICANT: Nelson, Colleen
; TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
; TITLE OF INVENTION: Oligonucleotides
; TITLE OF INVENTION: Oligonucleotides
; TITLE OF SEQUENCE: USC.P-02.
; CURRENT APPLICATION NUMBER: US/09/967,726A
; CURRENT APPLICATION NUMBER: US/09/967,726A
; NUMBER OF SEQUENCE: Patentin version 3.1
; SEQUENCE: Patentin version 3.1
; SEQUENCE: Patentin version 3.1
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Sequence 8, Application US/09967726A

Sequence 8, Application US/09967726A

Publication No. US20030158130A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Nelson, Colleen

APPLICANT: APPLICANT: Alweger, Tobias

TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION: Oligonucleotides

TITLE OF INVENTION UMBER: US/09/967,726A

CURRENT APPLICATION NUMBER: US/09/967,726A

CURRENT PILING DATE: 2001-09-28

NUMBER OF SEQ ID NOS: 15

SEQ ID NO 8
APPLICANT: Zellweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: UBC.P-022
CURRENT APPLICANN NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 6: 15
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
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Best Local Similarity
Matches 21; Conservat
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Best Local Similarity
Matches 21; Conserv
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; ORGANISM: human
US-09-967-726A-7
                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: human
US-09-967-726A-6
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Sequence 3. Application US/10080794

Publication No. US20030166591A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, 100/03-02-22
APRIOR APPLICATION NUMBER: 00/913,325
APRIOR FILING DATE: 2001-08-10
APRIOR FILING DATE: 2001-08-10
ANUMBER OF SEQ ID NOS: 19
SOGTWARE: PatentIN Ver. 2.1
APPLICANTON
ANUMBER: PatentIN Ver. 2.1
GENERAL INFORMATION:

APPLICANT: Millis, Albert J. T.

TITLE OF INVENTION: Compositions and Methods For Altering Cell Migration File REFERENCE: 0794.016A

CURRENT APPLICATION NUMBER: US/10/270,871

CURRENT FILING DATE: 2002-10-15

PRIOR PILING DATE: 1999-12-10

PRIOR PLING DATE: 1999-12-11

NUMBER OF SEQ ID NOS: 17

SEQ ID NO 14

SEQ ID NO 14

LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: synthetic sense primer based on porcine clusterin US-10-270-871-14
                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence:primer_bind
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     274 AAGCCAAGAAGAAGAAGAGG 294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 AAGCCAAGAAGAAGAAGAGG 21
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                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100. Matches 21; Conservative
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US-10-080-794-4/c
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                                                                                                                                                                                                                                                  APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Myake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Zellweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRFM-2
TITLE OF INVENTION: Oligonucleotides
FILE REPERBNCE: UBC.P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
LENGTH: 21
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US-09-967-726A-12/C
US-09-967-726A-12/C
Sequence 12, Application US/09967726A
Publication No. US20030158130A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: Zellweger, Tobleen
APPLICANT: Zellweger, Tobleen
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: Oligonucleotides
TITLE OF INVENTION: UNMER: US/09/967,726A
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 15
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          1115 CTCCTTGCTGGAGCAGCTGAA 1135
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                                                                                                                                                                               ; Sequence 11, Application US/09967726A; Publication No. US20030158130A1; GENERAL INFORMATION:
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                                                         21 crccrrccrccaccaccrcaa
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SEQ ID NO 12
LENGTH: 21
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Matches 21; Conserv
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                                                                                                                                                          US-09-967-726A-11/C
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US-10-270-871-14
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OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-6
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             114 GACCAGACGGTCTCAGACAAT 134
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                                               21 GACCAGACGGTCTCAGACAAT 1
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ORGANISM: HUMAN
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: HUMAN
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Sequence 4, Application US/10080794

Publication No. US20030166591A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Nelson, Colleen
APPLICANT: Nonia, Brett B.
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILLE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT APPLICATION NUMBER: 06/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOCTHWARE: Patentin Ver. 2.1
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APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Moia, Bret P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O'(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR APPLICATION NUMBER: 09/944,326
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PALENTIN VEY: 2.1
SEQ ID NO 5
LENGTH: 21
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; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-5
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ORGANISM: HUMAN
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ORGANISM: HUMAN
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LENGTH: 21
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US-10-080-794-7/c

i Sequence 7, Application US/10080794

publication No. US2030166591A1

general INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Molson, Colleen
APPLICANT: Monia, Brett P.
ITILE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
ITILE OF INVENTION: HAVING 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR PLIING DATE: 2001-08-10
PRIOR PLIING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
SOFTWARE: Patentin Ver. 2.1
SEQ ID NOS: 19
INOS 10
INO
Sequence 6, Application US/10080794
; Sequence 6, Application US/10080794
; Publication No. US20030166591A1
; Beneral Inpoperation:
    APPLICANT: Rennie, Paul S.; APPLICANT: Rennie, Paul S.; APPLICANT: Rennie, Paul S.; APPLICANT: Monia, Bretch P.
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION: TREM-2 ANTISENSE THERAPY USING AN OLICONUCLEOTIDE
    ITILE OF INVENTION WUBBER: 09/11,726
    PRIOR PILING DATE: 2002-02-26
    PRIOR PILING DATE: 2001-08-10
    PRIOR PILING DATE: 2001-08-10
    PRIOR PILING DATE: 2001-08-30
    NUMBER OF SEQ ID NOS: 19
    SOFTWARE: PATCHTIN VET: 2.1
    LENGTH: 21
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CURRENT APPLICATION NUMBER: US/10/080,794
   NUMBER OF SEQ ID NOS: 19
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ORGANISM: HUMAN
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                                                                                                Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: antisense TRPM-2 ODN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-8
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Best Local Similarity 100.
Matches 21; Conservative
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ORGANISM: HUMAN
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APPLICANT: Remaie, Paul S.
APPLICANT: Remaie, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
TITLE OF INVENTION: Brett P.
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 2002-02-2
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 10
LENGTH: 21
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Publication No. US20030166591A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Mayake, Hideaki
APPLICANT: Molson, Colleen
APPLICANT: Molson, Colleen
APPLICANT: Molson, Colleen
APPLICANT: Molson, Colleen
APPLICANT: MOLSON STRM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-10
                                                                                                                                                    ), OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-9
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US-10-080-794-10/c
; Sequence 10, Application US/10080794
; Bublication No. US20030166591A1
; GENERAL INFORMATION:
; APPLICANT: Gleave, Martin
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 9
LENGTH: 21
TYPE: DNA
PORGANISM: HUMAN
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Matches 21; Conservative
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APPLICANT: Rennie, Paul S.
APPLICANT: Rennie, Paul S.
APPLICANT: Might, Hideaki
APPLICANT: Might, Colleen
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: TRANG 2'-O-(2-METHOXY) ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT APPLICATION NUMBER: 09/12,726
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver: 2.1
SEMENT: 2012
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                                                                                                                                                                                                                                                                                     ; FEATURE:
; OTHER INFORMATION: antisense TRPM-2 ODN
US-10-080-794-11
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CURRENT FILING DATE: 2002-02-22
PRIOR-APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE PATENTIN VET: 2.1
SEQ ID NO 11
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 12, Application US/10080794; Publication No. US20030166591A1; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 21, Conservative
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                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: HUMAN
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Sequence 6, Application US/10380124
Publication No. US20040053874A1
GENERAL INPORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia

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Sequence 27, Application US/1038364

Sequence 27, Application US/1038364

Publication No. US20040081976A1

GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: SIDRANSKY, David
TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
FILE REFERENCE: JHU1860-1
CURRENT APPLICATION NUMBER: US/10/383,864

CURRENT FILING DATE: 2003-07-25

PRIOR FILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 127

SOFTWARE: Patentin version 3.1

LENGTH: 21
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PUBLICATION NO. US20040081976A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: SIDRANSKY, David
TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED TUMOR SUPPRESSOR GENES
TITLE REFERENCE: JHU1860-1
CURRENT APPLICATION NUMBER: US/10/383,864
CURRENT APPLICATION NUMBER: US 60/362,577
PRIOR PRIOR PAPLICATION NUMBER: US 60/362,577
PRIOR PRIOR DATE: 2002-03-7
NUMBER OF SEQ ID NOS: 127
NUMBER OF SEQ ID NOS: 127
SEQ ID NO 28
LENGTH: 21
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 6
LENGTH: 21
TYPE
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) OTHER INFORMATION: PCR primer US-10-383-864-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION; PCR Probe US-10-380-124-6
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Gaps

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DB 1; Length 21; 1.2e+02;

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Query Match
1.3%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 1.2
Matches 21; Conservative 0; Mismatches
; TYPE: DNA
; ORGANISM: human
US-10-646-391A-4
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; ORGANISM: human
US-10-646-391A-5
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US-10-646-391A-5/c
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Sequence 4, Application US/10646391A
Sequence 4, Application VS. US20040082534A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT FILING DATE: 2003-08-21
PRIOR PILING DATE: 2003-08-21
PRIOR PILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR PLING DATE: 2002-08-21
PRIOR PLING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-20
PRIOR FILING DATE: 2003-09-20
NUMBER OF SEQ ID NOS: 43
SEQ ID NOS: 43
LENGTH: 21
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US-10-646-311A-3/C

i Sequence 3, Application US/10646391A

i Sequence 3, Application No. US20040082534A1

j GENERAL INFORMATION:
    APPLICANT: Glarave, Martin

i APPLICANT: Glarave, Martin

i APPLICANT: Glarave, Martin

i TILLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TILLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2002-08-21

PRIOR PELLING DATE: 2002-08-21

PRIOR PELLING DATE: 2002-12-02

PRIOR PELLING DATE: 2002-12-02

PRIOR PELLING DATE: 2002-09-03

PRIOR PELLING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patentin Version 3.2

LENGTH: 21

LENGTH: 21
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                                                                                                                 Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                  1334 ATTTATGGAGACCGTGGCGGA 1354
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  ORGANISM: Artificial sequence
                                               ; OTHER INFORMATION: PCR primer US-10-383-864-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 21; Conservative
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 196
US-10-646-391A-4/c
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US-10-646-391A-6/C

US-10-646-391A-6/C

Squence 6, Application US/10646391A

Publication No. US2040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: USC.P.035

CURRENT APPLICATION NUMBER: US 60/406,391A

CURRENT FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING 
                                                                                                                                                                                                                                                             us-lu-seb-jsiAn-j/

Sequence 5, Application US/10646391A

; Bedrication No. US20040082534A1

; GeneRAL INFORMATION:

APPLICANT: Jansen, Burkhard

; APPLICANT: Jansen, Burkhard

; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

; CURRENT APPLICATION NUMBER: US/10/646,391A

; CURRENT APPLICATION NUMBER: US 60/405,193

; PRIOR FILING DATE: 2003-08-21

; PRIOR FILING DATE: 2002-12-02

; PRIOR PELING DATE: 2002-12-02

; PRIOR APPLICATION NUMBER: US 60/473,387

; PRIOR PILING DATE: 2003-09-20

; PRIOR PILING DATE: 2003-05-20

; ROFTWARE: Patentin version 3.2

; SEQ ID NO 5

; LENGTH: 21
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21 ATGATGAAGACTCTGCTGCTG 1
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Best Local Similarity 100.0
Matches 21; Conservative
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; TYPE: DNA
; ORGANISM: human
US-10-646-391A-10
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US-10-646-391A-8
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LENGTH: 21
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Dublication No. US20040082534A1

Generation No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Glaave, Martin

APPLICANT: Glaave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/406,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-09-03

PRIOR FILING DATE: 2003-05-09

NUMBER OF SEQ ID NOS: 43

SOFTWARE: Patent In version 3.2

SEQ ID NO 8

LENGTH: 21
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Sequence 7, Application US/10646391A
Fublication No. US20040082534A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TEDELICANT: Gleace, Martin
APPLICANT: Gleace, Martin
APPLICANT: Gleace, Martin
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: USC.-035
CURRENT FILING DATE: 2003-08-21
FRIOR FILING DATE: 2002-08-21
FRIOR FILING DATE: 2002-08-21
FRIOR APPLICATION NUMBER: US 60/405,193
FRIOR FILING DATE: 2002-12-02
FRIOR APPLICATION NUMBER: US 60/408,152
FRIOR APPLICATION NUMBER: US 60/473,387
FRIOR FILING DATE: 2003-03-03
FRIOR FILING DATE: 2003-03-03
FRIOR FILING DATE: 2003-03-03
FRIOR FILING DATE: 2003-03-03
FRIOR APPLICATION NUMBER: US 60/473,387
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR APPLICATION NUMBER: US 60/473,387
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR APPLICATION NUMBER: US 60/473,387
FRIOR PRICE FILING DATE: 2003-05-03
FRIOR PRICE FILING DATE: 2003-05
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                                                                                                                      Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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ORGANISM: human
            ; ORGANISM: human
US-10-646-391A-6
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 200
US-10-646-391A-8/C
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Glasve, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC. P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR PELING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
SOFTWARE: PARTICAN NUMBER: US 60/473,387
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REPERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-05-20
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Length 21;
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
Query Match
1.3%; Score 21; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              916 ACAACTCCACGGGCTGCCTGC 936
                                                                                                             716 CCGCATCGTCCGCAGCTTGAT 736
                                                                                                                                                                                                                                                                                             Sequence 9, Application US/10646391A; Publication No. US20040082534A1; GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 100.0
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: human
US-10-646-391A-9
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US-10-646-391A-20
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Sequence 11, Application US/10646391A
Fublication No. US20040082534A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Janear, Burkhard
TILLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-12-02
PRIOR PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PLING DATE: 2003-09-03
PRIOR PILING DATE: 2003-05-09
PRIOR PLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
LENGTH: 21
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US-10-646-391A-12/C

is Sequence 12, Application US/10646391A

is GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Glave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-038

CURRENT APPLICATION NUMBER: US/10/646,391A

FILE REFERENCE: UBC.P-038

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR PELING DATE: 2002-09-03

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SOFTWARE PATENTIN VESTION 3.2

LENGTH: 21

LENGTH: 21
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  Length 21;
                                                 0; Indels
Score 21; DB 1; L
Pred. No. 1.2e+02;
Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.2 Matches 21; Conservative 0; Mismatches
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US-10-646-391A-12
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Sequence 20, Application US/10646391A
; Sequence 20, Application US/10646391A
; Publication No. US20040082534A1
; GENERAL INPORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFRENCE: UBC. P-035
CURRENT FILING DATE: 2003-08-21
CURRENT FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-13-02
PRIOR FILING DATE: 2002-13-03
PRIOR FILING DATE: 2003-08-3
PRIOR FILING DATE: 2003-08-3
PRIOR PLICATION NUMBER: US 60/473,387
PRIOR PLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
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Query Match
1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                1516 AGGCCCCCAACTCCGCCCAGC 1536
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ORGANISM: artificial
FEATURE:
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), OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-23
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TYPE: DNA ORGANISM: artificial
                                                                               FEATURE:
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| Sequence 22, Application No. US20040082534A1
| Publication No. US20040082534A1
| GENERAL INFORMATION:
| APPLICANT: Jansen, Burkhard
| TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
| FILE REFERENCE: USC.Po.035
| CURRENT APPLICATION NUMBER: US 60/405,193
| PRIOR PILING DATE: 2002-08-21
| PRIOR PLILING DATE: 2002-08-21
| PRIOR PLILING DATE: 2002-08-21
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLILING DATE: 2002-09-03
| PRIOR PLING DATE: 2003-05-20
| NUMBER OF SEQ ID NOS: 43
| SOFTWARE: PatentIn version 3.2
| SOFTWARE: PatentIn version 3.2
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US-10-646-391A-23/C

Sequence 23, Application US/10646391A

Publication No. US20040082534A1

Publication No. US20040082534A1

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TILE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: UBC.P-035

CURRENT FLING DATE: 2003-08-21

PRIOR FILING DATE: 2003-08-21

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-3

PRIOR FILING DATE: 2002-09-3

PRIOR FILING DATE: 2003-09-3

PRIOR PRIOR PRIOR DATE: 2003-09-3

PRIOR PLING DATE: 2003-09-3

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81.0%; Pred. No. 1.2e+02;
tive 4; Mismatches 0; Indels
                                                                                                               Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-22
; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-21
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Best Local Similarity 81.0%
Matches 17; Conservative
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PELING DATE: 2002-08-21
PRIOR PELING DATE: 2002-08-21
PRIOR PELING DATE: 2002-12-02
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-03-03
PRIOR PELING DATE: 2003-03-05-03
PRIOR FILING DATE: 2003-05-03
PRIOR FILING DATE: 2003-05-03
SOFTWARE: PARENTIN VERSION 3.2
SOFTWARE: PARENTIN VERSION 3.2
SOFTWARE: PARENTIN VERSION 3.2
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  Length 21;
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
     DB 1; Le
. 1.2e+02;
Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.2 Matches 21; Conservative 0; Mismatches
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                                                                                                              1098 AAGATGCTCAACACCTCCTCC 1118
                                                                                                                                                                                                                                                                                 US-10-646-391A-25/c; Sequence 25, Application US/10646391A; Publication No. US20040082534A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-646-391A-36
. Sequence 36, Application US/10646391A
. Publication No. US20040082534A1
. GENERAL INFORMATION:
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US-10-646-391A-39
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US-10-646-391A-37/C

Sequence 37, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Glaeve, Martin

APPLICANT: Glaeve, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

FILE REFERENCE: USC.P-035

CURRENT FILING DATE: 2003-08-21

PRIOR PLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-08-21

PRIOR FILING DATE: 2002-09-03

PRIOR PLICATION NUMBER: US 60/405,193

PRIOR FILING DATE: 2002-09-03

PRIOR PLICATION NUMBER: US 60/408,152

PRIOR PLICATION NUMBER: US 60/408,152

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-09-03

SOFTWARE PLICATION NUMBER: US 60/473,387

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 43

SOFTWARE PLECETIN Version 3.2

LENGTH: 21
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Publication No. US20040082534A1

GENERAL INFORMATION:

APPLICANT: Gleave, Martin

APPLICANT: Jansen, Burkhard

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels

TILLE REFERENCE: UBC. P-0.35

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/319,748

PRIOR APPLICATION NUMBER: US 60/319,748

PRIOR FILING DATE: 2002-08-21

PRIOR PLING DATE: 2002-09-23

PRIOR FILING DATE: 2002-09-03
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                         Query Match 1.3%; Score 21; DB 1; Length 21; Best Local Similarity 81.0%; Pred. No. 1.2e+02; Matches 17; Conservative 4; Mismatches 0; Indels
                                                                                                                                               ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-37
                                                                                                                                                                                                                                                                                                                                 482 CCAGAGCTCGCCCTTCTACTT 502
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SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Matches 21; Conservative
                                                                                               ORGANISM: artificial FEATURE:
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ORGANISM: artificial
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US-10-646-391A-38
                                                                       TYPE: DNA
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US-10-646-391A-39/C

US-10-646-391A-39/C

Sequence 39, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: USC. P. O.35

CURRENT APPLICATION NUMBER: US (0/46,391A)
FRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US (0/408,152
PRIOR APPLICATION NUMBER: US (0/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SEQ ID NO 39
LENTH: 21
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Sequence 40, Application US/10646391A

Publication No. US20040082534A1

GENERAL INFORMATION:
APPLICANT: Gleave, Martin

TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILLE REPRENCE: UGC. P-0.35

FILLE REPRENCE: UGC. P-0.35

CURRENT APPLICATION NUMBER: US/10/646,391A

CURRENT FILING DATE: 2003-09-21
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: RNAi for human clusterin
US-10-646-391A-38
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PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin version 3.2
SEQ ID NO 38
LENGTH: 21
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PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Effecthios
TITLE OP INVENTION: RNAi Probes Targeting Cancer-Related Proteins
TITLE OP INVENTION: RNAi Probes Targeting Cancer-Related Proteins
CURRENT PAPLICATION NUMBER: US/10/646,436
CURRENT PILING DATE: 2002-08-21
PRIOR PILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/403,387
PRIOR APPLICATION NUMBER: US 60/403,387
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-05-03
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 2.
FILE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
GURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE PATENTIN NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE PATENTIN VERSION 3.2
SEQ ID NO 1
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1.3%; Score 21; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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1.3%; Score 21; DB 1; 1
Best Local Similarity 81.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 4; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: RNAi for human clusterin
US-10-646-436-1
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; Sequence 41, Application US/10646391A
; Publication No. US20040082534A1
; Publication No. US20040082534A1
; GENERAL INFORMATION:
    APPLICANT: Gleave, Martin
; APPLICANT: Gleave, Martin
; APPLICANT: Gleave, Martin
; APPLICANT: USC-P035
; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
; TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
; CURRENT APPLICATION NUMBER: US/10/646,391A
; CURRENT APPLICATION NUMBER: US 60/405,193
; PRIOR FILING DATE: 2002-02-21
; PRIOR FILING DATE: 2002-12-02
; PRIOR FILING DATE: 2002-12-02
; PRIOR FILING DATE: 2003-03-03-03
; PRIOR FILING DATE: 2003-03-03
; SEGTWARE: Patentin version 3.2
; SEQ ID NO 41
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US-10-646-391A-41
           ; PRIOR FILING DATE: 2002-12-02; PRIOR APPLICATION NUMBER: US 60/408,152; PRIOR FILING DATE: 2002-09-03; PRIOR APPLICATION NUMBER: US 60/473,387; PRIOR FILING DATE: 2003-05-20; NUMBER OF SEQ ID NOS: 43; SOFTWARE: Patentin version 3.2; SEQ ID NO 40; LENGTH: 21
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APPLICANT: Jansen, Burkhard
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougakos, Islana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Estathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efetathios
TILE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.3%; Score 21; DB 1; Length 21;
81.0%; Pred. No. 1.2e+02;
tive 4; Mismatches 0; Indels
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ORGANISM: artificial
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Query Match
Best Local Similarity 85.77
Matches 18; Conservative
; SEQ ID NO 59
LENGTH: 21
TYPE: DNA
ORGANISM: artificial
FEATURE:
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APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
ITILE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REPERENCE: USC, P.030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR PLLING DATE: 2002-08-21
PRIOR PLLING DATE: 2002-09-03
PRIOR PLLING DATE: 2002-09-03
PRIOR PLLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
SPRIOR FILING DATE: 2003-05-03
PRIOR PLING DATE: 2003-05-03
SPRIOR FILING DATE: 2003-05-03
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APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Signaeveky, Maxim
APPLICANT: Signaeveky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TILLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
PRIOR FILING DATE: 2003-09-03
SOFTWARE: PatentIn version 3.2
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81.0%; Pred. No. 1.2e+02;
iive 4; Mismatches 0; Indels
                                      Length 21;
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                                   Score 21; DB 1; L. Pred. No. 1.2e+02;
                                   Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.2 Matches 21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: RNA! for human clusterin US-10-646-436-58
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; Sequence 58, Application US/10646436
; Publication No. US20040096882A1
; GENERAL INFORMATION:
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Best Local Similarity 81.01
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: artificial
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GENERAL INFORMATION:
APPLICANT: Jansen, Martin
APPLICANT: Gleave, Martin
APPLICANT: Signacwsky, Maxim
APPLICANT: Beraldis, Eliana
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Estethios
TITLE OP INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR PILING DATE: 2003-09-03
PRIOR PILING DATE: 2003-09-03
NUMBER OF SEQ ID NOS: 68
SOFTWARR: PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SEQ ID NO SEQ ID NOS: 68
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APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Trougakos, Ioannis
APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RAMA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
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                                                                           Query Match
1.3%; Score 21; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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85.7%; Pred. No. 1.2e+02;
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) OTHER INFORMATION: RNAi for human clusterin US-10-646-436-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: RNAi for human clusterin
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CURRENT FILING DATE: 2003-08-21
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PRIOR APPLICATION NUMBER: US 60/405,193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        713 GICCCGCATCGTCCGCAGCTT 733
                                                                                                                                                                                           480 AACCAGAGCTCGCCCTTCTAC 500
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Publication No. US20040096882A1
GENERAL INFORMATION:
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Sequence 4, Application US/10828394

| Sequence 4, Application US/10828394
| Publication No. US20040220131A1
| GENERAL INFORMATION:
| APPLICANT: Burt, Helen
| APPLICANT: Burt, Helen
| APPLICANT: Gleave, Martin
| TILLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
| TILLE OF INVENTION: Mothod for Treatment of Cancerous Angiogenic Disorders
| TILLE OF INVENTION: WOMBER: US/10/828,394
| CURRENT FILING DATE: 2004-04-19
| PRIOR APPLICATION NUMBER: US/60/464,159
| PRIOR APPLICATION NUMBER: US/60/464,159
| PRIOR FILING DATE: 2003-04-18
| NUMBER OF SEQ ID NOS: 23
| SEQ ID NO 4
| LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 5, Application US/10828394
Sequence 5, Application US/10828394
Publication No. US20040220131A1
GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
                          APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAi Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION UNMER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 21
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Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.3%; Score 21; DB 1; L. 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0;
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; OTHER INFORMATION: RNAi forhuman clusterin
US-10-646-436-65
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Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: artificial
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ORGANISM: human
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          APPLICANT:
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APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
APPLICANT: Brandi, Eliana
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC. P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
NUMBER OF SEC ID NOS: 68
SOFTWARE: PATENTIN VERSION 3.2
LENGTH: 21
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1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 71.4%; Pred. No. 1.2e+02;
Matches 15; Conservative 6; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                             ) OTHER INFORMATION: RNA! for human clusterin US-10-646-436-62
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OTHER INFORMATION: RNA! for human clusterin
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
LENGTH: 21
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Publication No. US20040096882A1
GENERAL INFORMATION:
APPLICANT: Jansen, Burkhard
APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 AAGTCCCGCATCGTCCGCAGC 1
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                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: artificial
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ORGANISM: artificial
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US-10-646-436-65/c
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US-10-646-436-64
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Query Match
1.3%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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; ORGANISM: human
US-10-828-394-9
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; ORGANISM: human
US-10-828-394-8
; TYPE: DNA
; ORGANISM: human
US-10-828-394-7
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; APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
; FILE REFERENCE: UBC.P-033
; CURRENT FILING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 21
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Pred. No. 1.2e+02;
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 ; FILE REFERENCE: UBC.P-033
; CURRENT APPLICATION NUMBER: US/10/828,394
; CURRENT FILING DATE: 2004-04-19
; PRIOR APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: ParentIn version 3.2
; LENGTH: 21
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ORGANISM: human
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; ORGANISM: human
US-10-828-394-5
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US-10-828-394-6/c
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Sequence 9, Application US/10828394
; Sequence 9, Application US/10828394
; Publication No. US20040220131A1
; GENERAL INFORMATION:
APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Gleave, Martin
; APPLICANT: Gleave, Martin
; TILE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
; TILE TINGNING: UBC.P-033
; CURRENT APPLICATION NUMBER: US/10/828,394
; CURRENT APPLICATION NUMBER: US 60/464,159
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LINGTH: 21
Sequence 8, Application US/10828394

| Sequence 8, Application US/20820131A1
| Publication No. US20040220131A1
| GENERAL INFORMATION:
| APPLICANT: Jackson, John
| APPLICANT: Springate, Christopher
| APPLICANT: Gleave, Martin
| APPLICANT: Gleave, Martin
| TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
| TITLE OF INVENTION: WHERE: US/10/828,394
| CURRENT APPLICATION NUMBER: US/04-04-19
| PRIOR APPLICATION NUMBER: US 60/464,159
| PRIOR PILING DATE: 2003-04-18
| WUMBER OF SEQ ID NOS: 23
| SOFTWARE: PatentIn version 3.2
| SEQ ID NO 8
| LENGTAL: 21
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1.3%; Score 21; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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Pred. No. 1.2e+02;
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Query Match
Best Local Similarity 100.0
Matches 21; Conservative
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Matches 21; Conservative
    APPLICANT: Jackson, John
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; ORGANISM: human
US-10-828-394-13
                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: human
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US-10-828-395-4/c
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Sequence 11, Application US/10828394

Publication No. US20040220131A1

GENERAL INFORMATION:
APPLICANT: Jackson, John

APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin

TITLE OF INVENTION: Match of or Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC. P-033

CURRENT APPLICATION NUMBER: US/10/828,394

CURRENT FILING DATE: 2003-04-18

PRIOR FILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

LENGTH: 21
                                                                                                WS-10-1828-394-10/c

WS-10-628-394-10/c

Bublication No. US20040220131A1

Bublication No. US20040220131A1

GENERAL INFORMATION:

APPLICANT: Jackson, John

APPLICANT: Springate, Christopher

APPLICANT: Springate, Christopher

APPLICANT: Gleave, Martin

TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders

TITLE OF INVENTION NUMBER: US/10/828,394

CURRENT APPLICATION NUMBER: US 60/464,159

PRIOR APPLICATION NUMBER: US 60/464,159

PRIOR PILING DATE: 2003-04-18

NUMBER OF SEQ ID NOS: 23

SOFTWARE Patentin Version 3.2

LENGTH: 21

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100.0%; Pred. No. 1.2e+02;
ive 0; Mismatches 0; Indels
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21 CCGCATCGTCCGCAGCTTGAT 1
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Best Local Similarity 100.(
Matches 21; Conservative
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; ORGANISM: human
US-10-828-394-11
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US-10-828-394-11/c
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US-10-828-394-12/c
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Sequence 13, Application US/10828394

| Publication No. US20040220131A1
| GENERAL INRORANTION:
| APPLICANT: Burt, Helen
| APPLICANT: Burt, Helen
| APPLICANT: Gleave, Martin
| TILLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
| TILLE OF INVENTION NUMBER: US/10/828,394
| CURRENT FILING DATE: 2004-04-19
| PRIOR PRILING DATE: 2003-04-18
| NUMBER OF SEQ ID NOS: 23
| SOFTWARE: Patentin version 3.2
| LENGTH: 21
| LENGTH: 21
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APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-03
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR FILING DATE: 2004-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
LENGTH 21
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Publication No. US20040224914A1
GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Grave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT PAPLICANT: 22004-04-19
FRIOR APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
FRIOR APPLICATION NUMBER: US 60/464,159
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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TYPE: DNA
ORGANISM: human
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US-10-828-395-7
                                  ; TYPE: DNA
; ORGANISM: human
US-10-828-395-6
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SEQ ID NO 6
LENGTH: 21
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APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Markin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC. P.032
CURRENT APLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SEQ ID NOS: 23
SEQ ID NOS: 23
SEQ ID NOS: 23
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Pred. No. 1.2e+02;
                                                                                                                                                                                                              0; Indels
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   PRIOR FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 4
LENGTH: 21
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ORGANISM: human
                                                                                                                     TYPE: DNA
ORGANISM: human
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US-10-828-395-8/c
Sequence 8, Application US/10828395
; Publication No. US20040224914A1
; GENBRAL INFORMATION:
APPLICANT: Jackson, John
; APPLICANT: Burt, Healen
; APPLICANT: Springate, Christopher
; APPLICANT: Gleave, Martin
; FILE REFERENCE: US.P.03.
; CURRENT APPLICATION NUMBER: US.0/464,159
; PRIOR FILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.2
; TEXTOR NO 8
; TEXTOR NO 8
; TEXTOR NO 8
                                                       Gaps
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APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: USC. P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
SPRIOR FILING DATE: 2003-04-18
SROID NOS: 23
SOFTWARE: Patentin version 3.2
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
Length 21;
                                                    0; Indels
Score 21; DB 1; Le
Pred. No. 1.2e+02;
Query Match 1.3%; Score 21; DB Best Local Similarity 100.0%; Pred. No. 1.2 Matches 21; Conservative 0; Mismatches
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Publication No. US20040224914A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 21; Conservative
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i Sequence 11, Application US/10828395

i Publication No. US20040224914A1

i GENERAL INFORMATION:

i APPLICANT: Sackson, John

i APPLICANT: Burt, Helen

i APPLICANT: Springate, Christopher

i APPLICANT: Springate, Christopher

i APPLICANT: Method for Treatment of Angiogenic Disorders

i TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders

i TITLE OF INVENTION: WUMBER: US/10/828,395

CURRENT APPLICATION NUMBER: US 60/464,159

i PRIOR FILING DATE: 2003-04-18

i PRIOR FILING DATE: 2003-04-18

i RIOR FILING DATE: 2003-04-18

i NUMBER: OF SEQ ID NOS: 23

i SEQ ID NO 11

LENGTH: 21

i LENGTH: 21

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i LENGTH: 21
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1.3%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 21; Conservative 0; Mismatches 0;
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916 ACAACTCCACGGGCTGCCTGC 936
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                  21 ACAACTCCACGGGCTGCCTGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: human
US-10-828-395-11
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US-10-828-395-12
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US-10-828-395-10/c

Sequence 10, Application US/10828395

Publication No. US20040224914A1

GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Gleave, Martin
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
CURRENT APPLICATION: WHORER: US/10/828,395
CURRENT PILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION NUMBER: US 60/464,160

PRIOR APPLICATION NUMBER: US 60/464,160

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn version 3.2

LENGTH: 21
                                                                                                                                                                                                                               Sequence 9, Application US/10828395
; Publication No. US20040224914A1
; GENERAL INFORMATION:
; APPLICANT: Jackson, John
; APPLICANT: Burt, Helen
; APPLICANT: Burt, Helen
; APPLICANT: Springate, Christopher
; APPLICANT: Springate, Christopher
; APPLICANT: Springate, Martin
; TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
; FILE REFERENCE: UBC.P-032
; CURRENT APPLICATION NUMBER: US/10/828,395
; CURRENT FILING DATE: 2004-04-19
; PRIOR FILING DATE: 2003-04-18
; PRIOR FILING DATE: 2003-04-18
; NUMBER OF SEQ ID NOS: 23
; COUT NAMER: PatentIn version 3.2
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                1.3%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
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                                                                                                515 TGACCGCATCGACTCCCTGCT 535
                                                                                                                          21 TGACCGCATCGACTCCCTGCT 1
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                                   Local Similarity 100.0
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Best Local Similarity 100.'
Matches 21; Conservative
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Matches 21; Conservative
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CRGANISM: human
US-10-828-395-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                 RESULT 243
US-10-828-395-9/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 9
LENGTH: 21
                  Query Match
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                                       Best Loca
Matches
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Gaps

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Query Match
1.2%; Score 20.2; DB 1; Length 25;
Best Local Similarity 88.0%; Pred. No. 2e+02;
Matches 22; Conservative 0; Mismatches 3; Indels
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 56803
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                      1 AAGCTGTTTGACACTGACCCCATCA 25
                                                                                                                                                                                     ; ORGANISM: Mus musculus
US-10-719-900-56803
                                                                                                                                                                 DNA
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                                                                                                                                     APPLICANT: Jackson, John
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P.032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT PILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR PLLING DATE: 2003-04-18
PRIOR PLLING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Version 3.2
SEQ ID NO 13
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; Sequence 695781, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INPORMATION:
    APPLICANT: Kue Mei Zhou
; TILLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR PAPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; LENGTH. 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20.8; DB 1; Length 25;
Pred. No. 1.8e+02;
0; Mismatches 2; Indels
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Publication No. US20050026164A1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse;
FILE REFERENCE: 3528.1
CURRENT APPLICATION WUBBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
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                                                                 ; Sequence 13, Application US/10828395; Publication No. US20040224914A1; GENERAL INFORMATION:
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Best Local Similarity 91.7%;
Matches 22; Conservative (
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US-10-719-900-695781
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US-10-719-900-695781/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: human
US-10-828-395-13
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US-10-719-900-56803
                                                    JS-10-828-395-13/c
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Sequence 452919, Application US/10719900

Sequence 452919, Application US/10719900

Publication No. US20050026164A1

GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3529.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 6/427,808

PRIOR PILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SEQ ID NO 452919

LENGTH: 25

LENGTH: 25
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Pred. No. 2e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.2%; Score 20.2; DB 1; Length 25; 88.0%; Pred. No. 2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Methods of Genetic Analysis of Mouse FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT APPLICATION NUMBER: 00/427,808
PRIOR PILING DATE: 2002.11.20
PRIOR PILING DATE: 2002.11.20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 815717
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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Best Local Similarity 88.0°
Matches 22; Conservative
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Best Local Similarity 88.0
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-452919
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US-10-719-900-815717
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TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-30750
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US-10-719-956-70566
                                                                                                                                                                                                                                                                                                                            Matches 22; Conservative
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Matches 22, Conservative
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ORGANISM: Probe Sequence
US-10-956-157-271151
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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US-10-719-956-30750/c
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                                                    US-10-79-900-892166

US-10-79-900-892166

Sequence 892166, Application US/10719900

Publication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: XUE Mei Zhou

TITLE OF INVENTION:

FILE REFERENCE: 3528.1

CURRENT FAPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 60/427,808

PRIOR FILING DATE: 2003-11.20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 892166

TUBER OF SEQ ID NOS: 982914
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 25;
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Sequence 31758, Application US/10809189
Publication No. US20050048531A1
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: APPLICATION WUMBER: US/10/809,189
CURRENT APPLICATION NUMBER: US/10/809,189
CURRENT APPLICATION NUMBER: US/09/396,196
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
NUMBER OF SEX ID NOS: 127806
SOFTWARE: FRSESEQ for Windows Version 4.0
ENGRIPH: 25
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88.0%; Pred. No. 2e+02;
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Local Similarity 88.0%; Pred. No. 2e+0
tes 22; Conservative 0; Mismatches
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US-10-956-157-271151
; Sequence 271151, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
1 TCCCGTGTCACTCAGGTGGTGGTGA 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22; Conservative
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; ORGANISM: Mus musculus
US-10-719-900-892166
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Best Local Similarity
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US-10-809-189-31758
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Best Local S:
Matches 22
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ORGANISM:
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERBENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 271151
LENGTH: 25
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; Sequence 70566, Application US/10719956
; Publication No. US20040146910A1
; GRERRAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; RIOR APPLICATION NUMBER: 60/427,836
; PRIOR FILING DATE: 2002-11.2
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SED ID NO 70566
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 30750, Application US/10719956
; Publication NO. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Kue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.11-20
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,836
; RIUNG DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 30750
                                                                                                                                                                                                                                                                                                                                               1.2%; Score 20.2; DB 1; Length 25; 88.0%; Pred. No. 2e+02;
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88.0%; Pred. No. 2e+02;
ive 0; Mismatches 3; Indels
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Query Match
Best Local Similarity
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US-10-719-956-374027/C

Sequence 374027, Application US/10719956

PUBLICALION NO. US20040146910A1

GENERAL INFORMATION:
TITLE OF INVERTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1

CURRENT PILING DATE: 2003-11-20

PRIOR APPLICATION NUMBER: 06/427,836

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR APPLICATION NUMBER: 60/427,836

SEQ ID NOS: 699466

SEQ ID NO 374027

LENGTH: 25

LENGTH: 25
                                                                                                                                                                                   Sequence 355802, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION:
; TILE PERERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT APPLICATION NUMBER: 06/427,836
; RIOR FILING DATE: 2003-11-20
; RIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
seq ID NO 355802
; LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.2%; Score 20.2; DB 1; Length 25; 88.0%; Pred. No. 2e+02;
                  3; Indels
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US-10-719-956-501380
; Sequence 501380, Application US/10719956
; Publication No. US2040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
88.0%; Pred. No. 2e+02;
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                  0; Mismatches
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                                                        951 TGTGACAAGTGCCGGGAGATCTTGT 975
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; ORGANISM: Rattus norvegicus
US-10-719-956-374027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Rattus norvegicus
Best Local Similarity 88.0
Matches 22; Conservative
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Matches 22; Conservative
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Matches 22; Conserv
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; Sequence 517912. Application NS/10719956
; Publication NO: US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; TITLE REFERENCE: 3527.1
; CURRENT FILING DATE: 2003-11-20
; FRIOR APPLICATION NUMBER: US/10/719,956
; PRIOR APPLICATION NUMBER: 0203-11-20
; RIOR APPLICATION NUMBER: 0203-11-20
; RIOR APPLICATION NUMBER: 0203-11-20
; RIOR APPLICATION NUMBER: 020427,836
; RIOR APPLICATION PROBE: 2002 11 20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
: LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 20.2; DB 1; Length 25; Pred. No. 2e+02;
                                                                                                                                                                                                                                                                                                                                       2; DB 1; Length 25; 2e+02;
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FILE REFERENCE: 3527.1
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: MICROAITAY Probe Sequence Listing Generator V 1.1
LENGTH: 25
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE NEW MICROALTAY Probe Sequence Listing Generator V 1.1
SEQ ID NO 501380
LENGTH: 25
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88.0%; Pred. No. 2e+02;
iive 0; Mismatches
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illarity 88.0%; Pred. No. 2e
Conservative 0; Mismatche
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; Sequence 6048B1, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
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; ORGANISM: Rattus norvegicus
US-10-719-956-604881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Rattus norvegicus US-10-719-956-517912
                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-501380
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Best Local Similarity
Matches 22; Conserv
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Matches 22; Conserv
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US-10-380-124-17/c
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US-10-180-124-14/C
; Sequence 14, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Bis Pharmaceuticals, Inc.
; APPLICANT: Brett F. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 35.7.1
FILE REFERENCE: 35.7.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2002-11-20
PRIOR APPLICATION NUMBER: 2007-11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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  3; Indels
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88.0%; Pred. No. 2e+02;
cive 0; Mismatches 3;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-14
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1149 TGGGTGTCCCGGCTGCCAAACCTCA 1173
                                     778 TCCAGCCCTTCCTTGAGATGATACA 802
                                                                                                                                                       US-10-719-956-612441/c
; Sequence 612441, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
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US-10-380-124-15/c
; Sequence 15, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13 TGACCGAGGCGTGCAAAGAC 32
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ORGANISM: Artificial Sequence
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; ORGANISM: Rattus norvegicus
US-10-719-956-612441
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Best Local Similarity 88.0°
Matches 22; Conservative
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Matches 20; Conservative
22; Conservative
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LENGTH: 20
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Matches
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Gaps
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 15
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ## SEQUENCE 17, Application US/10380124

## Publication No. US20040033874A1

## Publication No. US20040033874A1

## GENERAL INFORMATION:

## APPLICANT: Isls Pharmaceuticals, Inc.

## APPLICANT: Breat P. Monia

## APPLICANT: Breat P. Monia

## APPLICANT: Busan M. Freier

## APPLICANT: Breat P. Monia

## APPLICANT: Busan M. Freier

## APPLICANT: Busan M. Freier

## APPLICANT: NANTISENSE MODULATION OF CLUSTERIN EXPRESSION

## ITLE REFERENCE: RTS-0156

## CURRENT APPLICATION NUMBER: US/10/380,124

## CURRENT FILING DATE: 2003-03-10

## MUMBER OF SEQ ID NOS: 90

## BENGTH: 20

## LENGTH: 20
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| Sequence 16, Application US/10380124
| Publication No. 220040053874A1
| GENERAL INFORMATION:
| APPLICANT: Isis Pharmaceuticals, Inc.
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REFREENSE TS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NO 16
| LENGTH: 20
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1.2%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-15
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Best Local Similarity
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166 AGTACGTCAATAAGGAAATT 185
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US20040053874A1
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Best Local Similarity 100.0
Matches 20, Conservative
Publication No. US20
GENERAL INFORMATION:
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US-10-380-124-22/c
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                                                                Gaps
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US-10-180-124-18/C

US-10-180-124-18/C

SQUENCE 18, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10

SEQ ID NO 18
LENGTH: 20
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; Sequence 19, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
APPLICANT: Bis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TITLE OF INVESTION: ANTIEENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; SEQ ID NOS: 90
; SEQ ID NO 19
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                       Length 20;
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                                                                0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                       Score 20; DB 1; L
Pred. No. 1.3e+02;
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US-10-380-124-19
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                       Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.3 Matches 20; Conservative 0; Mismatches
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                                                                                                        77 GCTGCTGCTGACCTGGGAGA 96
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US-10-380-124-20/c ; Sequence 20, Application US/10380124

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; Sequence 22, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Susan M. Freier
; TILLE OF INVENTION: AFFISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT PILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21, Application US/10380124
; Publication No. US20040053874A1
; Publication No. US20040053874A1
; GENERAL INFORMATION:
    APPLICANT: Brist Paramacuticals, Inc.
; APPLICANT: Brett P. Monia
    APPLICANT: Brett P. Monia
    APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 21
; LENGTH: 20
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Sugan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFRENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
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TYPE: DNA
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RESULT 274
US-10-380-124-25/c
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US-10-380-124-27/c
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                                                                                                                                                                                                                                                                                                              RESULT 272
US-10-380-124-23/C
; Sequence 23, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isls Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia APPLICANT: Brett P. Monia APPLICANT: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RF.-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
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APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Breier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE OF INVENTION: ANTISENSE WS/10/380,124
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NOS: 90
LENGTH: 20
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                                                                                                           Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                            ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-22
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US-10-380-124-24/c
'Sequence 24, Application US/10380124
'Publication No. US20040053874A1
'GENERAL INFORMATION:
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                                                                                                                                                                                                                                   20 GGGGTGAAACAGATAAAGAC 1
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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LENGTH: 20
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isia Pharmaceuticals, Inc.
; APPLICANT: Bret P. Monia
; APPLICANT: Bret P. Monia
; APPLICANT: Bret P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 26
; LENGTH: 20
                                                                                                      APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFREENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
LENGTH: 20
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Publication No. US20040053874A1
Publication No. US20040053874A1
Publication No. US2004005387AA1
APPLICANT: Inc. APPLICANT: Brett P. Monia APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNHBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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1.2%; Score 20; DB 1; Lo
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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Sequence 25, Application US/10380124; Publication No. US20040053874A1; GENERAL INFORMATION: APPLICANT: Isis Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   298 CCCTAAATGAGACCAGGAA 317
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407 CTGCATGAAGTTCTACGCAC 426
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364 TGATGGCCCTCTGGGAAGAG 383
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                                     20 TGATGGCCCTCTGGGAAGAG 1
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Matches 20; Conservative
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US-10-380-124-32/c
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; Sequence 28, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; CURRENT FILING DATE: 2003-03-10
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 28
; LENGTH: 20
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Sequence 29, Application US/10380124
Fublication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
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                                                                                                                  ) OTHER INFORMATION: Antisense Oligonuclectide US-10-380-124-27
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 29
LENGTH: 20
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ORGANISM: Artificial Sequence
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                                                                    TYPE: DNA ORGANISM: Artificial Sequence
  NUMBER OF SEQ ID NOS: 90
SEQ ID NO 27
LENGTH: 20
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## Publication No. US20040053874A1

## Publication No. US20040053874A1

## APPLICANT ISLES Pharmaceuticals, Inc.

## APPLICANT: Breat P. Monia

## APPLICANT: Breat P. Monia

## APPLICANT: Sugan M. Freier

## TITLE OF INVENTION: AMTISENSE MODULATION OF CLUSTERIN EXPRESSION

## TITLE REFERENCE: RTS-0156

## CURRENT APPLICATION NUMBER: US/10/380,124

## CURRENT FILING DATE: 2003-03-10

## MUMBER OF SEQ ID NOS: 90

## SEQ ID NOS: 90

## SEQ ID NOS: 90
Sequence 30, Application US/10380124

Sequence 30, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 30

LENGTH: 20
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1.2%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
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Gaps

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Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                     455 TGGCCGCCAGCTTGAGGAGT 474
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ORGANISM: Artificial Sequence
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| Sequence 34, Application US/10380124
| Sequence 34, Application US/10380124
| Sequence 34, Application US. US20040053874A1
| Sequence 34, Application US. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Breet P. Monia
| APPLICANT: Susan M. Freier
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| FILE REPREMENCE: RTS-0156
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT FILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 33, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
; APPLICANT: Isia Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/10/380,124
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 33
LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION PILE REFERENCE: RTS-0156 CURRENT APPLICATION NUMBER: US/10/380,124 CURRENT FILING DATE: 2003-03-10 NUMBER OF SEQ ID NOS: 90 LENGTH: 20
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ORGANISM: Artificial Sequence
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US-10-380-124-33/c
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RESULT 284

US-10-380-124-15/C

Sequence 35, Application US/10380124

Publication No. U320040053874A1

GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
TITLE OF INTENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
TITLE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 35

LENGTH: 20
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| Sequence 36, Application US/10380124
| Sequence 36, Application US/10380124
| Publication No. US20040053874A1
| GENERAL INFORMATION:
| APPLICANT: Biss Pharmaceuticals, Inc.
| APPLICANT: Brett P. Monia
| APPLICANT: Susan M. Frater
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
| TITLE OF INVENTION NUMBER: US/10/380,124
| CURRENT APPLICATION NUMBER: US/10/380,124
| CURRENT PILING DATE: 2003-03-10
| SEQ ID NOS: 90
| SEQ ID NOS: 90
| SEQ ID NOS: 90
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; Sequence 37, Application US/10380124
; Publication No. US20040053874A1
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US-10-380-124-38/C

SQUENCE 39, Application US/10380124

Publication No. US20040053874A1

GRNERAL INFORMATION:

APPLICANT: Breat P. Monia

APPLICANT: Breat P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTIENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 38

LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: 1sis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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      APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 37
LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
ive 0; Mismatches 0; Indels
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Pred. No. 1.3e+02;
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US-10-380-124-37
                                                                                                                                                                                                                                                                                                                                                              Query Match 1.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.3 Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
GENERAL INFORMATION:
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US-10-380-124-39/c
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LENGTH: 20
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Sequence 40, Application No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isla Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 40
LENGTH: 20
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Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isls Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: FT09-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT APPLICATION NUMBER: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 41
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-39
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.
Matches 20; Conservative
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US-10-380-124-41/C
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Query Match 1.2%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0;
                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-44
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                                           TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
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US-10-380-124-45/c
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SEQ ID NO 44
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US-10-380-124-43/C
is Sequence 43, Application US/10380124
is Publication No. US20040053874A1
is GENERAL INFORMATION:
APPLICANT: ISIS Pharmaceuticals, Inc.
APPLICANT: Breat P. Monia
is APPLICANT: Breat P. Monia
is APPLICANT: Breat P. Monia
is APPLICANT: Susan M. Freis
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
if TILE REFERENCE: RTS-0156
is CURRENT APPLICATION NUMBER: US/10/380,124
is CURRENT FILING DATE: 2003-03-10
is SEQ ID NOS: 90
is SEQ ID NO 43
illeNGTH: 20
                                   Sequence 42, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isle Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENION: ANTIERNE MODULATION OF CLUSTERIN EXPRESSION
CURRENT APPLICANT: 2013-0156
CURRENT APPLICANT: 2013-0156
CURRENT APPLICANT SAMPLERNE MODULATION OF CLUSTERIN EXPRESSION
CURRENT PELING DATE: 2013-03-10
NUMBER OF SEQ ID NOS: 90
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Islas Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT PELING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 2003-03-10
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                 US-10-380-124-42/c
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US-10-380-124-44/c
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LENGTH: 20
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Best Local Si
Matches 20;
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Sequence 46, Application US/20040653874A1

CENERAL INFORMATION:

APPLICANT: Bris Pharmaceuticals, Inc.

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Brett P. Monia

APPLICANT: Susan M. Freier

TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT APPLICATION NUMBER: US/10/380,124

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 46

LENGTH: 20
Sequence 45, Application US/10380124
Publication No. US20040053874A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTG-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT PILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 45
LENGTH: 20
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1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-380-124-46
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Length 20;

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US-10-380-124-50/c

US-10-380-124-50/c

Sequence 50, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Susan M. Freier

TILE OP INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION

FILE REFERENCE: RTS-0156

CURRENT FILING DATE: 2003-03-10

NUMBER OF SEQ ID NOS: 90

SEQ ID NO 50

LENGTH: 20
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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ilarity 100.0%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 0;
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FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 49
LENGTH: 20
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                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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Matches 20; Conserva
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                                                                                                                Sequence 47, Application US/10380124
; Sequence 47, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
   APPLICANT: Isis Pharmaceuticals, Inc.
   APPLICANT: Susan M. Freat
   APPLICANT: Susan M. Freat
   TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
   FILE REFERENCE: RTS-0156
   CURRENT APPLICATION NUMBER: US/10/380,124
   CURRENT FILING DATE: 2003-03-10
   SEQ ID NOS: 90
   SEQ ID NO 47

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; Publication No. US20040053874A1
; GENERAL INFORMATION:
   APPLICANT: Bis Pharmaceuticals, Inc.
   APPLICANT: Brett P. Monia
   APPLICANT: Susan M. Freier
   TITLE OF INVENTION ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
   TILE REFERENCE: RTS-0156
   CURRENT FILING DATE: 2003-03-10
   NUMBER OF SEQ ID NOS: 90
   SEQ ID NO 48
   LENGTH: 20
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; Publication No. US20040053874A1
; GENERAL INFORMATION:
 APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-48
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US-10-380-124-47
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       20 AGGCCTCACTTCTTTCC
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ORGANISM: Artificial Sequence
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                                                                                                      RESULT 296
US-10-380-124-47/c
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                                                  APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freiler
AITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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; Publication No. US/20040053874A1
; GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Fraiser
TILLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REPERENCE: RTS-0156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
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1.2%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.2%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-55
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 56
LENGTH: 20
                       APPLICANT: Isis Pharmaceuticals, Inc
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ORGANISM: Artificial Sequence
FEATURE:
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                         Sequence 52, Application US/10380124

Publication No. US20040053874A1

GENERAL INFORMATION:
APPLICANT: Isia Pharmaccuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVERTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION 10WBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NO 52
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isle Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REPERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
SEQ ID NO 53
LENGTH: 20
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1.2%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3a+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
                Pred. No. 1.3e+02;
100.0%; Pred. wv. -
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US-10-380-124-52
                                                                                                               820 TGGACATCCACTTCCACAGC 839
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US-10-380-124-54/c
; Sequence 54, Application US/10380124
; Publication No. US20040053874Al
; GENERAL INFORMATION:
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                                                                                                                                                    20 TGGACATCCACTTCCACAGC 1
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ORGANISM: Artificial Sequence
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PEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-124-57
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US-10-380-124-57/c
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                                                                                                                                                                                                                   GENERAL INFORMATION:

APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Brett-P. Monia

APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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LENGTH: 20
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Publication No. US20040053874A1
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Best Local Similarity
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                                                                                   Query Match
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
                                                                        Best Local Similarity
                                                                                                                                              ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                              TYPE: DNA
                                                                                                                                  OTHER INFORMATION: Antisense Oligonucleotide
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les 20; Conserv
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                            AGATCTTGTCTGTGGACTGT 986
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Vo. US20040053874A1
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Pred. No.
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RESULT 308

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US-10-380-124-61/c
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LENGTH: 20
TYPE: DNA
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LENGTH: 20
TYPE: DNA
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Hest Local Similarity 100.0%;
Conservative
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 60, Application US/10380124 Publication No. US20040053874A1
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Best Local Similarity
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Publication No.
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CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
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; Pred. No. 1.3e+02
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Pred. No.
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1.3e+02
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                                                Query Match
Best Local S
Matches 20
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SEQ ID NO 63
LENGTH: 20
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SEQ ID NO 62
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20040053874A1
GENERAL INFORMATION:
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Publication No. US20040053874A1
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                                                                                                                                                                                                                                                                                                      APPLICANT: Isis Pharmaceuticals, Inc. APPLICANT: Brett P. Monia APPLICANT: Susan M. Freier
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION UNDERS: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                               FEATURE:
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FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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1113 TCCTCCTTGCTGGAGCAGCT 1132
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                                                Similarity 100.0%; 1 20; Conservative 0;
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100.0%; Pr
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                                                             Score 20; DB 1;
Pred. No. 1.3e+0
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; Pred. No.
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Pred. No.
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                                            . 1.3e+02;
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CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 65
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-64
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                                                                                                                                                               RESULT 315
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US-10-380-124-65/c
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         GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF
                                                                                                        Sequence 66, Application US/10380124 Publication No. US20040053874A1
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Best Local (
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APPLICANT: Isis Pharmaceuticals, Inc.
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LENGTH: 20
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0156
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
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REFERENCE:
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Conservative 0; Mismatches
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Pred. No.
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Pred. No.
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                  CLUSTERIN EXPRESSION
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RESULT 317
US-10-380-124-68/c
US-10-380-124-68/c
; Sequence 68, Application US/10380124
; Publication No. US20040053874A1
; GENERAL INFORMATION:
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-67
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                                                      ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-68
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 66
LENGTH: 20
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Best Local :
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LENGTH: 20
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Query Match
Best Local Similarity
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-01.56
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
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TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                      TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local
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1.2%;
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Score 20;
Pred. No.
 DB 1; L
. 1.3e+02;
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                Length 20;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-69
RESULT 320
US-10-380-124-71/c
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LENGTH: 20
TYPE: DNA
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 90
SEQ ID NO 70
LENGTH: 20
TYPE: DNA
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Best Local Similarity 100.0%;
Matches 20; Conservative
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Publication No. US20040053874A1
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CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
                                                                                                                                                Best
                                                                                                                                                             Query Match
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                                                                                                                                                Local Similarity
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                                                                                  1300 CGGTCCCTGTAGAAGTCTCC 1319
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                                                                                                                           100.0%; **
                                                                                                                               Score 20; DB 1;
; Pred. No. 1.3e+0
0; Mismatches
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Sequence 71, Application US/10380124 Publication No. US20040053874A1 GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-72
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US-10-380-124-72/c
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                                                                        GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 73
LENGTH: 20
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NUMBER OF SEQ ID NOS: 90
SEQ ID NO 72
LENCTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 71
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                             Sequence 73, Application US/10380124 Publication No. US20040053874A1
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Best Local Similarity
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Best Local Similarity 100.0%; Pred. No. 1.-
Conservative 0; Mismatches
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CURRENT FILING DATE: 2003-03-10
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTIGENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
                                  ORGANISM: Artificial Sequence
OTHER INFORMATION: Antisense Oligonucleotide
                        FEATURE:
                                                              TYPE: DNA
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Pred. No.
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thes 0;
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; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-380-124-75
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US-10-380-124-74/c
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                                                                                                                                                                                                              TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 75
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                               Sequence 75, Application US/10380124 Publication No. US20040053874A1 GENERAL INFORMATION:
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CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 74
LENGTH: 20
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Publication No. US20040053874A1
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTG-0156
                                                                   Matches
                                                                               Query Match
Best Local
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Best Local Similarity
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Best Local
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
                                1615 CTAATTCAATAAAACTGTCT 1634
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20 CTAATTCAATAAAACTGTCT 1
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100.0%; Pred. No.
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00.0%; Pred. No.
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Pred. No.
                                                                 Mismatches
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                                                                                                DB 1;
                                                                                 1.3e+02;
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RESULT 325 US-10-380-124-78/c

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Sequence 17, Application US/10980850

Publication No. US20050152908A1

REPLICAUT: Liew, Choong-Chin
FILE OF INVENTION: LIVER CANCER BIOMARKERS
FILE REFERENCE: 4231/2072

CURRENT APPLICATION NUMBER: US/10/980,850

CURRENT ETLING DATE: 2004-11-03

PRIOR APPLICATION NUMBER: US 60/516,853

PRIOR APPLICATION NUMBER: US 60/516,853

PRIOR FILING DATE: 2003-11-03

NUMBER OF SEQ ID NOS: 46

SOFTWARE: PATENTIN VETSION 3.1

SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 90
SEQ ID NO 80
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                RESULT 327
US-10-980-850-17
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US-10-380-124-80/c
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SEQ ID NO 78
LENGTH: 20
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Publication No. US20040053874A1
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Best Local Similarity
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APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
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100.0%; Pred. No. 1.3e+0
ive 0; Mismatches
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APPLICANT: Liew, Choong-Chin
TITLE OF INVENTION: LIVER CANCER BIOMARKERS
FILE REFERENCE: 4231/2072
CURRENT APPLICATION NUMBER: US/10/980,850
CURRENT FILING DATE: 2004-11-03
PRIOR APPLICATION NUMBER: US 60/516,853
PRIOR FILING DATE: 2003-11-03
NUMBER OF SEQ ID NOS: 46
SOFTMARE: Patentin version 3.1
SEQ ID NO 18
LENGTH: 20
TYPE: TAYA
                                                                                                                                                             APPLICANT: Liew, Choong-Chin
TITLE OF INVENTION: LIVER CANCER BIOMARKERS
FILE REFERENCE: 4231/2072
CURRENT APPLICATION NUMBER: US/10/980,850
CURRENT FILING DATE: 2004-11-03
PRIOR APPLICATION NUMBER: US 60/516,853
PRIOR FILING DATE: 2003-11-03
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin version 3.1
SEQ ID NO 33
LENGTH: 20
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Best Local Similarity
Matches 20; Conserv
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Query Match 1.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                               TYPE: DNA
                                                                                            OTHER INFORMATION: Forward Primer for OAS1
                                                                                                                           ORGANISM: Artificial
                                                                                                             FEATURE:
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; OTHER INFORMATION: RNAi US-10-646-436-9
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                                                                                     SEQ ID NO 9
LENGTH: 21
TYPE: DNA
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Matches
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NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
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APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RUAL Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
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PRIOR FILING DATE: 2002-09-03
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PRIOR FILING DATE: 2003-05-20
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
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APPLICANT: Jansen, Burkh
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                                             FEATURE:
                                                                 ORGANISM: artificial
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les 15; Conserv
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Beraldi, Eliana
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                      for human clusterin
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Pred. No. 1.4e+02;
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; FEATURE: ; OTHER INFORMATION: synthetic antisense US-10-270-871-13
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   Query Match
Best Local S
Matches 20
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Best Local Similarity
Matches 15; Conserv
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SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO 13
LENGTH: 21
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 13
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Publication No.
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CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: US/09/459,749D
PRIOR FILING DATE: 1999-12-10
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                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/111,856
PRIOR FILING DATE: 1998-12-11
                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Millis, Albert J. T. TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Millis, Albert J. T. TITTLE OF INVENTION: Compositions and Methods For Altering Cell Migration FILE REFERENCE: 0794.016A
                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: 0794.016A
                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                               OTHER INFORMATION: Description of Artificial Sequence:primer_bind
                                                                                                                                FEATURE:
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S20020136716A1
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                  Score 19.4;
Pred. No. 1
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Pred. No. 1
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Pred. No.
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                  DB 1;
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r based on murine clu
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                                                                        ; OTHER INFORMATION: RNAi fo rhuman clusterin US-10-646-391A-43
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER: OS 50/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER: OS 50/473,387
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Best Local Similarity
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APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkha
Query Match
Best Local Similarity
                                                                                                                                                                                                                   SEQ ID NO 43
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PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR APPLICATION NUMBER: US 60/473,387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
                                                                                                                                                                                                                                            PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.2
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APPLICANT: Jansen, Burkh
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TYPE; RNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE: OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                          TYPE: RNA
ORGANISM: artificial
                                                                                                                           FEATURE:
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1.2%; Score 19;
100.0%; Pred. No.
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Pred. No. 1.4e+02;
  DB 1; Length 19; 1.4e+02;
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APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,387
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
NUMBER OF SEQ ID NOS: 68
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SEQ ID NO 68
LENGTH: 19
TYPE: RNA
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Publication No. US20040096882A1
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SEQ ID NO 67
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Best Local Similarity 73.7%;
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APPLICANT: Gonos, Efstathios
TITLE OP INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-05-20
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APPLICANT: Gleave, Martin
APPLICANT: Signaevsky, Maxim
APPLICANT: Beraldi, Eliana
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                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                             SOFTWARE: PatentIn version 3.2
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Signaevsky, Maxim
Beraldi, Eliana
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APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION NUMBER: US 60/464,159
FRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 16
LENGTH: 19
TYPE: DNA
TYPE: DNA
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                                                                                         ; TYPE: RNA
; ORGANISM: human
US-10-828-394-17
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                                                                                                                                                             APPLICANT: Jackson, John
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION DATE: 203-04-18
NUMBER OF SEQ ID NOS: 23
SOPTWARE: Patentin version 3.2
SEQ ID NO 17
Query Match
Best Local Similarity
Thes 15; Conserv
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Best Local Similarity
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Publication No. US20040220131A1
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Best Local Similarity
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               Conservative
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               Score 19; DB 1; Length 19;
Pred. No. 1.4e+02;
4; Mismatches 0; Indels
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Pred. No. 1.4e+0
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hes 0;
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                                                                                                                                             ; TYPE: DNA
; ORGANISM: human
US-10-828-395-16
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; SEQ ID NO 18
; LENGTH: 19
; TYPE: RNA
; ORCANISM: human
US-10-828-394-18
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US-10-828-394-18
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                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 16, Application US/10828395
Publication No. US20040224914A1
GRNERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INCENTION: Method for Treatment of Angiogenic Disorders
                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin version 3.2
SEQ ID NO 16
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Cl
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Publication No. US20040220131A1
                                                                      Matches
                                                                                     Query Match
Best Local Similarity
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APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-03
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                       CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
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                                  482 CCAGAGCTCGCCCTTCTAC 500
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1 CCAGAGCUCGCCCUUCUAC 19
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                                                                      Conservative
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                                                                                     1.2%; Score 19; DB 1; 78.9%; Pred. No. 1.4e+02;
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Pred. No.
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RESULT 342 US-10-828-395-17

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GENERAL INFORMATION:

APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
NUMBER OF SEQ ID NOS: 23
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; TYPE: RNA
; ORGANISM: human
US-10-828-395-17
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; ORGANISM: human
US-10-828-395-18
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                                                                                                           US-10-646-391A-29/c
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Sequence 29, Application US/10646391A Publication No. US20040082534A1 GENERAL INFORMATION: APPLICANT: Gleave, Martin APPLICANT: Jansen, Burkhard
                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 18
LENGTH: 19
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Best Local Similarity 68.4%;
Matches 13; Conservative
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Publication No. US20040224914A1
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Best Local Similarity
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CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR APPLICATION NUMBER: US 60/464,160
PRIOR FILING DATE: 2003-04-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
FILE REFERENCE: UBC.P-032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Jackson, John
APPLICANT: Burt, Helen
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78.9%;
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Pred. No. 1.4e+02;
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Pred. No. 1.4e+02;
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RESULT 346 US-10-380-124-4

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CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR PILING DATE: 2002-12-02
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-05-20
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR PILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 29
IENCIEL 3.2
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US-10-646-436-10/c
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                                                                                                                                                                     OTHER INFORMATION: RNAi for human clusterin US-10-646-436-10
                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 68
SOFTWARE: Patentin version 3.2
SEQ ID NO 10
LENGTH: 21
TYPE: DNA
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                                                                                                       Query Match
Best Local &
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                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OP INVENTION: RNA! Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-05-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                 ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                             / Match 1.2%; Score 19; DB 1; Local Similarity 100.0%; Pred. No. 1.8e+0 19; Conservative 0; Mismatches
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  19
                                       48 ATGATGAAGACTCTGCTGC 66
ATGATGAAGACTCTGCTGC 1
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Signaevsky, Maxim
Beraldi, Eliana
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100.0%; Pred. No. 1.8e+02
tive 0; Mismatches 0
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1.8e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: PCR Primer US-10-380-124-4
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APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Sellweger, Tobias
TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TRPM-2
TITLE OF INVENTION: Oligonucleotides
FILE REFERENCE: UBC.P-022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT APPLICATION NUMBER: US/09/967,726A
               APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Welson, Colleen
APPLICANT: Monia, Brett P.
                                                                                                         Sequence 15, Application US/10080794
Publication No. US20030166591A1
GENERAL INFORMATION:
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 15
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FILE REFERENCE: RTS-0156
CURRENT APPLICATION NUMBER: US/10/380,124
CURRENT FILING DATE: 2003-03-10
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                            Matches
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Best Local
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TITLE OF
                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
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18; Conservative
INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
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                 Rennie, Paul S.
Miyake, Hideaki
Nelson, Colleen
Monia, Brett P.
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Pred. No. 2.3e+02;
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; TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
; FILE REFERENCE: UBC.P-020-3
; CURRENT APPLICATION NUMBER: US/10/080,794
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/121,726
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 09/944,326
; PRIOR APPLICATION NUMBER: 09/944,326
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: homo sapiens US-10-751-736-11047
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 11047
LENGTH: 21
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                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                        Sequence 37, Application US/10921868A Publication No. US20050118251A1
                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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APPLICANT: Nagata, Leslie P.
APPLICANT: Wong, Jonathan P.
TITLE OF INVENTION: NOVEL DNA-BASED VACCINE AGAINST
FILE REFERENCE: NEL-0001/DIV1
CURRENT APPLICATION NUMBER: US/10/921,868A
CURRENT FILING DATE: 2004-08-20
PRIOR APPLICATION NUMBER: 10/023,649
PRIOR FILING DATE: 2001-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON TITLE OF INVENTION: CANCERS FILE REFERENCE: AM100927 (031896-002000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Brown, E
APPLICANT: Liu, Wei
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TYPE: DNA
ORGANISM: HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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19; Conserv
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Pred. No. 2
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Pred. No. 2.3e+02;
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APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 3371
LENGTH: 21
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US-10-786-720-4073/c
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US-10-786-720-3371/c
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US-10-786-720-4073
                                                          Publication WS/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:

APPLICANT: Myeth

APPLICANT: C'Toole, Margot

APPLICANT: Liu, Wei

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE

TITLE OF INVENTION DISEASES

FILE REFERENCE: 031896-023000 (AM101331L)

CURRENT APPLICATION NUMBER: US/10/786,720

CURRENT FILING DATE: 2004-02-26

NUMBER OF SEQ 1D NOS 21135

SOFTWARE: Patentin version 3.2

SEQ ID NO 4073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn version 3.1
SEQ ID NO 37
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3371, Application US/10786720 Publication No. US20040191818A1
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PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 49
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           TYPE: RNA
ORGANISM: RNA1-sense
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                                                   ENGTH: 21
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Local Similarity 90.0%;
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nilarity 90.0%;
Conservative
                 strand
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Pred. No. 2.5e+02;
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Pred. No. 2.8e+(
0; Mismatches
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Query Match

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Score 16.8;

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Length 21;

RESULT 355 US-10-911-318-81/c

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GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: O'TOOLe, Margot
APPLICANT: Liu, Wei
ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CCURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOCTWARRE: Patentin version 3.2
SEQ ID NO 4811
LENGTH: 21
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US-10-751-736-24026
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Matches 18; Conserv
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SEQ ID NO 24026
LENGTH: 21
TYPE: RNA
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Best Local Similarity
Matches 18; Conserv
                                                                                    Query Match
Best Local :
                                                                                                                                                                                                                                             APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
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                                                               Local Similarity
les 18; Conserv
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                  136 AGCTCCAGGAAATGTCCAAT 155
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Pred. No. 2.8e+02;
                                                                                      Score 16.8; DB 1
Pred. No. 2.8e+02
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RESULT 356
US-09-294-121A-97/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 81, Application US/10911318
Publication No. US20050130186A1
GENERAL INFORMATION:
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LENGTH: 21
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Patent No. US20020069422A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 18; Conserv
                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/256,568

FILLING DATE: 18-JUL-1994

APPLICATION NUMBER: PCT/EP93/03325

FICH APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: EP/93/402,129.6

FILLING DATE: 31-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: EP/92/403,222.0

FILLING DATE: 7-NOV-1992

ATTORNEY/ACENT INFORMATION:

NAME: CHARLES A. MUSERLIAN

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 19,683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: We Gene Technologies, Inc.
TITLE OF INVENTION: METHOD DETECTION CHIP AND FABRICATION METHOD THEREOF AND
TITLE OF INVENTION: METHOD OF DETECTING MENINGITIS AND PRIMER SET FOR MENINGITIS
TITLE OF INVENTION: DETECTION
FILE REFERENCE: 12333-US-PA
CURRENT APPLICATION NUMBER: US/10/911,318
CURRENT FILING DATE: 2004-08-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: TW 92135134
PRIOR FILING DATE: 2003-12-12
NUMBER OF SEQ ID NOS: 134
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: PatentIn version 3.3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compate OPERATING SYSTEM: PC-DC SOFTWARE: ASCII CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIERMAN & MUSERLIAN
REFERENCE/DOCKET NUMBER: 41 ELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/09/294,121A FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 600 THIRD AVENUE CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1281 TCTGATCCCATCACTGTGAC 1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 TCTGGTGCCATCACTGTGAC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10016
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 16.8; DB 1;
90.0%; Pred. No. 2.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                      410.004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2
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US-09-899-082A-97/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    밁
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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INFORMATION FOR SEQ ID NO:
                                                                      INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: NAME OF THE TYPE: NAME OF THE TYPE: NAME OF THE TYPE: NAME OF THE TYPE: NAME OF TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:

APPLICATION UNMBER: US/09/378,900
FILING DATE: <Unknown:
APPLICATION NUMBER: 08/256,568
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 26-NOV-1993
FILING DATE: 26-NOV-1993
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/93/403,222.0
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
MICROPILM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-Jul-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
ISOLATES
                                                                                                                                                                                                                                                                                                                                                                             NAME: CHARLES A. MUSERLIAN REGISTRATION NUMBER: 19,683 REFERENCE/DOCKET NUMBER: 410.004 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1508 CAGCCTCCAGGCCCCC 1523
TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16 CAGCCTCCAGGCCCCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: NEW YORK
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                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (212)
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                                                                                                                                                                                                                                                                                              661-8002
                                                                                                                                                                                                                                                                                                                                          661-8000
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US-09-899-302-97/c

; Sequence 97, Application US/09899302

; Patent No. US20020168626A1
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HYPOTHETICAL: NO
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ANTI-SENSE: YES
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SEQUENCE DESCRIPTION: SEQ ID NO:
US-09-899-082A-97
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Best Local Similarity 100.0%;
Matches 16; Conservative
Query Match
Best Local Similarity
                                                   ANTI-SENSE:
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                                                                                                                                                                                    TELEPHONE: (212) 661-8000
TELEPAX: (212) 661-8002
[INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
TITLE OF INVENTION: ISOLATES
NUMBER OF SEQUENCES: 97
CORRESPONDENCE ADDRESS:
                                                                                    MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                                                                                                                                        NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE DOCKET NUMBER: 41
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: EP/9
FILING DATE: 27-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 26-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP/9:
FILING DATE: 31-AUG-1993
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: ASCII
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/256,568 FILING DATE: 18-JUL-1994 APPLICATION NUMBER: PCT/EP93/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 600 THIRD AVENUE CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
                                                                                                                    TOPOLOGY:
                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1508 CAGCCTCCAGGCCCCC 1523
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                    linear
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nmher: PCT/EP93/03325
                                                                                                     CDNA
 1.0%; Score 16;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                EP/92/403,222.0
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                                                                                                                                                                                                                                                                            19,683
ER: 410.004
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97:
   DB 1; L, 1.9e+02;
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                 Length 16;
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밁
                                                                                                                                        US-09-899-044-97
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Publication No. US20030036053A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                   Matches
                                                                                                    Query Match
                                                                                       Best
                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/378,900

FILING DATE: CUNknown
APPLICATION NUMBER: PCTT EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-NUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:
                                                                 Local Similarity nes 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/899,044
FILING DATE: 06-Jul-2001
CLASSIFICATION: -Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
                                                                                                                                                                                                                                                                                                                                                                 NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 41
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
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                                  1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                         HYPOTHETICAL: NO ANTI-SENSE: YES
                                                                                                                                                       SEQUENCE DESCRIPTION: SEQ ID NO: 97:
                                                                                                                                                                                                            MOLECULE TYPE: CDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: NEW YORK
STATE: NEW YORK
                                                                                                                                                                                                                                              STRANDEDNESS: single
                                                                                                                                                                                                                                                           TYPE: nucleic acid
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TELEFAX: (212)
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                                                                                                                                                                                                                                                                             ENGTH: 16 base pairs
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                                                                   Conservative
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                                                                                     Score 16; ; Pred. No.
                                                                       Mismatches
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RESULT 360 US-10-822-711-97/c ; Sequence 97, Application US/10822711

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US-10-160-787-84/c
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                                                                                            Sequence 84, Application US/10160787 Publication No. US20030225256A1 GENERAL INFORMATION:
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Best Local Similarity
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APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION
FILE REFERENCE: RTS-0204
CURRENT APPLICATION NUMBER: US/10/160,787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/822,711
FILING DATE: 13-Apr-2004
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/899,082A
FILING DATE: 06-Jul-2001
APPLICATION NUMBER: US/09/378,900
FILING DATE: 4Unknown:
APPLICATION NUMBER: US/09/378,900
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: PCT/EP93/03325
FILING DATE: 18-JUL-1994
APPLICATION NUMBER: EP/93/402,129.6
FILING DATE: 31-AUG-1993
APPLICATION NUMBER: EP/93/403,222.0
FILING DATE: 27-NOV-1992
ATTORNAME: CHARLES A MISSERITAN
NAME: CHARLES A MISSERITAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: CHARLES A. MUSERLIAN
REGISTRATION NUMBER: 19,683
REFERENCE/DOCKET NUMBER: 410.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 661-8000
                                                                                                                                                                                                                                                                                                         1508 CAGCCTCCAGGCCCCC 1523
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HYPOTHETICAL: NO ANTI-SENSE: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: BIERMAN & MUSERLIAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 97
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Pred. No. 1.9e+02;
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RESULT 363
US-10-646-391A-24
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-787-84
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US-10-160-787-137
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APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkh
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Publication No. US20030225256A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF PCTAIRE PROTEIN KINASE 2 EXPRESSION
                                                                                   SOFTWARE: PatentIn version 3.2 SEQ ID NO 24
                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 24, Application US/10646391A Publication No. US20040082534A1
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SEQ ID NO 137
LENGTH: 20
TYPE: DNA
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Matches 16; Conserv
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NUMBER OF SEQ ID NOS: 141
SEQ ID NO 84
LENGTH: 20
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                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: RTS-0204
CURRENT APPLICATION NUMBER: US/10/160,787
CURRENT FILING DATE: 2002-05-31
                                                                                                                       PRIOR FILING DATE: 200
NUMBER OF SEQ ID NOS:
                                                                                                                                                            PRIOR APPLICATION NUMBER: US 60/473,387
                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/10/646,391A CURRENT FILING DATE: 2003-08-21
                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels FILE REFERENCE: UBC.P-035
                               LENGTH: 19
TYPE: DNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: H. sapiens FEATURE:
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OTHER INFORMATION: RNAi for human clusterin
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Pred. No.
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Pred. No.
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3e+02;
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, OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-26
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PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.2
SEQ ID NO 26
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                  Sequence 27, Application US/10646391A Publication No. US20040082534A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 26, Application US/10646391A
Publication No. US20040082534A1
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Best Local Similarity
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APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkh
                 SEQ ID NO 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
                                                                                           PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR APPLICATION NUMBER: US 60/473,387
                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/646,391A CURRENT FILING DATE: 2003-08-21
                                                                                                                                                                                                                                                                               APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
                                                       PRIOR FILING DATE: 2003-05-20 NUMBER OF SEQ ID NOS: 43
                                                                                                                                                                                                                                                                                                                            APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkha
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ORGANISM: artificial
ENGTH: 19
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1 UAAUUCAACAAAACUGUTT 19
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Pred. No. 2.8e+02;
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Pred. No. 2.
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2.8e+02;
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; OTHER INFORMATION: RNAi for human clusterin US-10-646-391A-27
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Matches
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APPLICANT: Gleave,
APPLICANT: Signaeve
APPLICANT: Beraldi
APPLICANT: Trougako
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Publication No. US20040096882A1
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APPLICANT:
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APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNA1 Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
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PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
SOFTWARE: PatentIn version 3.2
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CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
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APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
                                                                                                                                                                                                                          APPLICANT: Jansen, Burkhard APPLICANT: Gleave, Martin
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ORGANISM: artificial
FEATURE:
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Beraldi, Eliana
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Beraldi, Eliana
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Pred. No. 2
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Pred. No. 2
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                                                                                                                       ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target
US-10-667-271-305
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 305
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
                                                                            Query Match
Best Local Similarity
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SEQ ID NO 8
LENGTH: 19
TYPE: DNA
                                                              Matches
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APPLICANT:
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PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 68
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PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT / US03/05043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (sina)
FILE REFERENCE: 400/129 (MBHB02-763B)
CURRENT APPLICATION NUMBER: US/10/667,271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT / US02/09187
PRIOR FILING DATE: 2002-03-26
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APPLICATION NUMBER: USSN 60/358,580
FILING DATE: 2002-02-20
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APPLICATION NUMBER: USSN 60/406,784
FILING DATE: 2002-08-29
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APPLICATION NUMBER: USSN 60/409, 293
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222 CTCATAGAAAAAACAAACG
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17; Conserv
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Morrissey, David
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Macejak, Dennis
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b. US20040209831A1
                                                            Conservative
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                                                                            Score 15.8;
Pred. No. 2
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                                                              Mismatches
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                                                                              2.8e+02;
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NUMBER OF SEQ ID NOS: 1705
SOFTWARE: PatentIn version 3.2
SEQ ID NO 1001
                                                                                                                                                                                                           GENERAL INFORMATION
                                                                                                                                                                                                                              Sequence 8666, Application US/09866108 Patent No. US20020048800A1
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APPLICANT: Morrissey, David
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HITITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (sina)
FILE REFERENCE: 400/129 (MHHB02-763B)
CURRENT APPLICATION NUMBER: US/10/667,271
CURRENT FILING DATE: 2003-09-16
                                                                                                                    APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: PCT / US03/05
PRIOR FILING DATE: 2003-02-20
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                                  APPLICANT: SHANNON, MAXK TITLE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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ORGANISM: Artificial Sequence
FEATURE:
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APPLICATION NUMBER: US/09/866,108
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17; Conserv
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Macejak, Dennis
                                                                           RANK, David R. CHEN, Wensheng
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                   AEOMICA-7
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Pred. No. 2.8e+02;
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PRIOR APPLICATION NUMBER: GB 24263.6

APPLICATION NUMBER: US 60/207,456 FILING DATE: 2000-05-26

2001-05-25

APPLICATION NUMBER: US 60/236,359 FILING DATE: 2000-09-27

2000-10-

CURRENT FILING

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US-09-780-533A-170/c
US-09-780-533A-170/c
; Sequence 170, Application US/09780533A
; Cartion No. US20030060611A1
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; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8666
US-09-780-533A-170
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                                                                  NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 170
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APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
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PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
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                 LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00661
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FILING DATE: 2001-01-30
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Pred. No. 2
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US-09-740-332-3013/c
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                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 3013
LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions RelaterITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION UNBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
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SEQ ID NO 1542
LENGTH: 17
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Publication No. US20030125270A1
                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3013, Application US/09740332 Publication No. US20030125270A1
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Best Local Similarity
Matches 12; Conserv
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Best Local (
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate.
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
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NUMBER OF SEQ ID NOS: 9704
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                                                                                                                                                           FEATURE:
NAME/KEY: misc_feature
LOCATION:
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                                                                                                                                                                                                             ORGANISM: artificial sequence
                                                                                                                                                                                                                                TYPE: RNA
                                                                              Local Similarity
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 CCACGCCATGTTCCGGC 1
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Pred. No. 2.4e
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Pred. No. 2.
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Query Match

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Score 15.4;

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Length 17;

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NUMBER OF SEQ ID NOS: 9703
SOSTWARE: PatentIn version 3.0
SEQ ID NO 1542
LENGTH: 17
TYPE: RNA
ORGANISM: artificial sequence
                                                                                                                                                     US-10-669-841-4135
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                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: oligonucleotide substrate US-09-817-879-3013
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GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics,
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 3013
LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
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                                                                                                                 Sequence 4135, Application US/10669841 Publication No. US20040127446A1
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
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NAME/KEY: misc_feature
LOCATION:
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les 12; Conserv
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Pred. No. 2.4e+02;
0; Mismatches 1;
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Pred. No. 2.4e+02;
4; Mismatches 1;
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APPLICATION NUMBER: PCT/US02/09187

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PRIOR FILING DATE: 2002-03-26
PRIOR PLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR PPLICATION NUMBER: US 60/337,055
PRIOR PPLICATION NUMBER: US 60/337,055
PRIOR PPLICATION NUMBER: US 60/359,580
PRIOR PILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-26
PRIOR PILING DATE: 2002-03-26
PRIOR PILING DATE: 2002-03-26
PRIOR PILING DATE: 2001-03-26
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Best Local
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APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
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APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
                                                                                                                                                                            APPLICANT:
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CURRENT FILING DATE: 2003-09-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence FEATURE:
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12; Conserv
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Dennis, Macejak
                                                                                                                                                                                                                  James, McSwiggen
                                                                                                                                                                            David, Morrissey
Pamela, Pavco
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Kenneth, Draper
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Pred. No. 2.
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US-10-723-361-8666
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LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: GU, Yizhong APPLICANT: JI, Yongga:
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                                                          PRIOR
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                                                                                                                                                                                                                                                                                                           APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE
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OTHER INFORMATION: Description
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FILING DATE: 2000-12-18
APPLICATION NUMBER: US 09/611,931
FILING DATE: 2000-07-07
APPLICATION NUMBER: US 09/504,321
FILING DATE: 2000-02-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 2001-10-24
APPLICATION NUMBER: US 60/337,055
FILING DATE: 2001-12-05
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APPLICATION NUMBER: US 60/335,059
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                                                      FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
                                                                                                                                                      APPLICATION NUMBER: US 60/207,456 FILING DATE: 2000-05-26 APPLICATION NUMBER: GB 24263.6
                    APPLICATION NUMBER: PCT/US01/00667 FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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Similarity 94.1%;
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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Pred. No. 2.4e+02;
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US-10-828-394-19/c
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; ORGANISM: Homo sapiens
US-10-723-361-8666
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                                                                                                                                                                                                                                                                  RESULT 380
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LENGTH: 17
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SEQ ID NO 19
LENCTH: 17
                                                                                                                                                                                    Sequence 19, Application US/10828395 Publication No. US20040224914A1 GENERAL INFORMATION:
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Publication No. US20040220131A1
GENERAL INFORMATION:
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Best Local Similarity
Matches 16; Conserv
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic
FILE REFERENCE: UBC.P-032
CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR PILING DATE: 2003-04-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
FILE REFERENCE: UBC.P-033
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
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ORGANISM: artificial
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Pred. No. 2.4e
0; Mismatches
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Pred. No. 2.4e+02;
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US-09-740-332-3014/c
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US-10-758-451-883
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                                                                                                              NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3014
LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: East Carolina University
APPLICANT: East Carolina University
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF D
TITLE OF INVENTION: AND CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES)
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706.301
CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT FILING DATE: 1908-06-09
PRIOR APPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.1
SEQ ID NO 883
LENGTH: 15
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LENGTH: 17
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Publication No. US20030125270A1
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Publication No. US20050014711A1
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Best Local (
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                                                                                                                                                                                          TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment TITLE OF INVENTION: Hepatitis C Virus Infection FILE REFERENCE: RFI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
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SOFTWARE: PatentIn version 3.2
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                                                                                                  TYPE: RNA
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ORGANISM: artificial
                                      NAME/KEY: misc_feature
                                                            FEATURE:
                                                                              ORGANISM: artificial sequence
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OTHER INFORMATION: oligonucleotide substrate
                    LOCATION:
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100.0%; Pred. No.
tive 0; Mismatc
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Pred. No. 2
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. 2e+02;
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APPLICANT: Patrice, Lee
APPLICANT: Elisabeth, Draper
APPLICANT: Elisabeth, Draper
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITILE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MHHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-024
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR APPLICATION NUMBER: US 60/358,580
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US-09-817-879-3014/c
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Best Local Similarity
Matches 15; Conserv
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 3014
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CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Hepatitis C Virus Infection
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sirna Therapeutics,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: oligonucleotide substrate
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Dennis, Macejak
                                                                                                                                                                                                                                                                                                                                                                  Pamela, Pavco
                                                                                                                                                                                                                                                                                                                                                                                   James, McSwiggen
David, Morrissey
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Pred. No.
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. 2.6e+02
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2.6e+02
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APPLICATION FILING DATE:

NUMBER: US 60/363,124

2002-02-

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RESULT 385
US-10-497-692-11
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PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5607
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Best Local S
Matches 15
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APPLICANT:
                                                           Matches
                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                  SEQ ID NO 11
                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: PCT/EP02/13744
PRIOR FILING DATE: 2002-12-04
PRIOR APPLICATION NUMBER: EP 01 000 010.5
PRIOR FILING DATE: 2002-01-02
PRIOR APPLICATION NUMBER: EP 01 129 138.2
PRIOR FILING DATE: 2001-12-07
PRIOR APPLICATION NUMBER: EP 01 128 844.6
PRIOR STILLING DATE: 2001-12-07
                                                                                                                                     OTHER INFORMATION: mouse PTPRB reverse primer -10-497-692-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 2923-632
CURRENT APPLICATION NUMBER: US/10/497,692
CURRENT FILING DATE: 2004-06-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Steuernagel, Arnd
TITLE OF INVENTION: PTP10D, Tec protein tyrosine kinase and EDTP homologous proteins
TITLE OF INVENTION: involved in the regulation of energy homeostasis
                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn
                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 20
                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 2001-12-04
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TYPE: RNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                              ENGTH: 18
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APPLICATION NUMBER: US (
FILING DATE: 2001-03-26
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764 CTTCCACGCCATGTTCCA 781
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Hader, Thomas
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Fritsch, Rudiger
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o. US20050004056A1
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                                                         0.9%; ilarity 88.9%; Conservative
                                                                                                                                                                                                                                                                      version 3.2
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                                                                             Score 14.8;
Pred. No. 3.
                                                           Mismatches
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1.1e+02;
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RESULT 386 ()
US-09-866-108-8352/c
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                                                                              Query Match
Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                SOFTWARE: Aeon
SEQ ID NO 8352
                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: PCT/US01/00670 PRIOR FILING DATE: 2001-01-30 PRIOR APPLICATION NUMBER: US 60/234,687 PRIOR FILING DATE: 2000-09-21 PRIOR APPLICATION NUMBER: US 60/266,860 PRIOR FILING DATE: 2001-02-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 15752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
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                                         1109 CACCTCCTCCTTGCTG 1124
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CAGCTCCTCCTTGCTG
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                                                                                          Conservative
                                                                                                                                                                                                                                                                                                        Sequence Listing Engine
                                                                                                              0.9%;
                                                                                                                Score 14.4; DB 1;
Pred. No. 3e+02;
                                                                                               Mismatches
                                                                                                                                         Length 17;
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                                                                                               Gaps
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RESULT 387 US-09-866-108-8353/c

Sequence 8353, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang

PPLICANT:

HANZEL,

Sharron L, David Wensheng

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RANK, David CHEN, Wenshe

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                                                                                                                   APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                        Sequence 8665, Application US/09866108 Patent No. US20020048800A1
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Best Local
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: AECMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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NUMBER OF SEQ ID NOS: 15752
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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PRIOR APPLICATION NUMBER: US 60/236,359
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                    No.
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
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APPLICATION NUMBER: PCT/US01/00668
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Pred. No. 3e+02;
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                                                                                    IN HUMAN HEART AND MUSCLE
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
FULE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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; ORGANISM: Homo
US-09-866-108-8665
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Patent No. US20020041
GENERAL INFORMATION:
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SEQ ID NO 8665
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APPLICANT:
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
APPLICATION NUMBER: PCT/US01/00667 FILING DATE: 2001-01-30 APPLICATION NUMBER: PCT/US01/00664
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APPLICATION NUMBER: PCT/US01/00665
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APPLICATION N
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Pred. No. 3
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; ORGANISM: Homo sapiens
US-09-866-108-8667
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Patent No. US20020048800A1
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SOFTWARE: Aeomica Sequence Listing Engine
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PRIOR FILING DATE: 2000-05-26
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CURRENT FILING DATE: 2001-05-25
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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Local Similarity 93.8%;
es 15; Conservative
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FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
                                                                       FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
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                                   APPLICATION NUMBER: PCT/US01/00668 FILING DATE: 2001-01-30
             APPLICATION NUMBER: PCT/US01/00663
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PRIOR FILING DATE: 2001-01-02
PRIOR APPLICATION NUMBER: PCT/US01/00001
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: CCT/US01/00670
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION NUMBER: 2001-02-05
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US-09-866-108-10038/c
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PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR APPLICATION NUMBER: US 60/266,860

PRIOR APPLICATION NUMBER: US 60/266,860

PRIOR FILING DATE: 2000-09-21

PRIOR FILING DATE: 2001-02-05

PRIOR FILING DATE: 2001-02-05

PRIOR FILING DATE: 2001-02-05

PRIOR FILING DATE: 2001-02-05

PRIOR FILING DATE: 2001-02-05
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SEQ ID NO 10037
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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Local Similarity 93.8%;
nes 15; Conservativo
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                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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Pred. No. 3e
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                SOFTWARE: PatentIn version 3.0
SEQ ID NO 171
LENGTH: 17
TYPE: RNA
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SEQ ID NO 7
LENGTH: 17

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Description of Artificial Sequence:Synthetic
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LENGTH: 17
                                                                                              APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILLING DATE: 2000-02-11
PRIOR FILLING DATE: 2000-02-11
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PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-125171
PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31
NUMBER OF SEQ ID NOS: 13
                                                                                                                                                                                                                                                                                  APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
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APPLICANT: EBINUWA, Hiroyasu
TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING
TITLE OF INVENTION: BIOSYNTHESIS PATHWAY
FILE REFERENCE: 4859-0027-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/928,412
CURRENT FILING DATE: 2001-08-14
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ORGANISM: Homo sapiens
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McSwiggen, Jim
Chowrira, Bharat
Haeberli, Pete
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93.8%; Pred. No. 3e+02;
tive 0; Mismatches 1;
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Pred. No. 3e+02;
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US-09-740-332-1543
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US-09-877-478-1745/c
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PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1995-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                         RESULT 395
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1543
LENGTH: 17
                                                                                                                                                                                                     Sequence 1543, Application US/09740332 Publication No. US20030125270A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 1745
LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals,
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
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APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MSHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR APPLICATION NUMBER: US 09/531,025
                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RDI 400/003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 09/696,347 PRIOR FILING DATE: 2000-10-24
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PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
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RESULT 397
US-10-298-255-4
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US-09-817-879-1543
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                                                                                                                                                                               APPLICANT: BURGOYNE, LEIGH A.
TITLE OF INVENTION: METHODS AND MATERIALS FOR FILE REFERENCE: 45858-56064
CURRENT APPLICATION NUMBER: US/10/298,255
CURRENT FILING DATE: 2002-11-15
PRIOR APPLICATION NUMBER: 60/336,005
PRIOR FILING DATE: 2001-11-15
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/10298255 Publication No. US20030134312A1 GENERAL INFORMATION:
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Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.0 SEQ ID NO 1543
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Best Local Similarity
                                                                                                                                                               SEQ ID NO 4
Query Match
Best Local Similarity
                                                       OTHER INFORMATION: Description of Artificial Sequence: Primer -10-298-255-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
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ORGANISM: artificial sequence
FEATURE:
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LOCATION:
                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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 0.9%;
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Pred. No. 3e+02;
Score 14.4; DB 1;
Pred. No. 3e+02;
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                                                                                                                                                                                                                                                                                                                     DETECTING GENETIC MATERIAL
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                 Length 17
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 366
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-339-793-366
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; ORGANISM: Homo sapiens
US-10-238-700-2912
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US-10-238-700-2912/c
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Matches
                                                                     Query Match
Best Local Similarity
Matches 15; Conserv
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APPLICANT: Lynx Therapeutics, Inc.
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APPLICANT: Bowen, Benjamin
TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
FILE REFERENCE: 37-000310US
FILE REFERENCE: 37-000310US
CURRENT FILING JATE: 2003-01-08
UNMBER: OF SEQ ID NOS: 443
NUMBER OF SEQ ID NOS: 443
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CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REFERENCE: 400/057 (MBHB01-1158-A)
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nes 15; Conserv
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                                 990 ACCAACAACCCCTCCC 1005
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                                                                 0.9%; Score 14.4; DB ilarity 93.8%; Pred. No. 3e+02; Conservative 0; Mismatches
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ilarity 93.8%;
Conservative
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Pred. No. 3e+02;
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RESULT 400
US-10-342-902-1745/c
US-10-342-902-1745/c
; Sequence 1745, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:

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US-10-138-674-8431/c
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RESULT 402
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions:
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTMARE: PatentIn version 3.0
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PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
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PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
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                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                               TYPE: RNA
                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 0.9%;
Local Similarity 93.8%;
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APPLICATION NUMBER: US 08/193,627
FILING DATE: 1994-02-07
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Morrissey, Dave
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                                                                                                                                                Score 14.4; DB 1;
Pred. No. 3e+02;
0; Mismatches 1;
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Pred. No. 3
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RESULT 403
US-10-669-841-1745/c
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US-10-287-949A-8431
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                                                   PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILLING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILLING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR PRILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR APPLICATION NUMBER: US 09/504,321
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FILE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MSHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
RRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR FILING DATE: 2001-12-05
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
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NUMBER OF SEQ ID
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les 15; Conserv
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   Prior Application data removed SEQ ID NOS: 16207
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Kenneth, Draper
Elisabeth, Roberts
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                                 See File Wrapper or PALM.
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; ORGANISM: Hepatitis B Virus
US-10-669-841-1745
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Best Local Similarity 93.8%;
Matches 15; Conservarion
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NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4136
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Best Local Similarity
Matches 12; Conserv
                               Query Match
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CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
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PRIOR FILING DATE: 2002-03-26
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                                                                                        OTHER INFORMATION: oligonucleotide
                                                                                                                                                                    OTHER INFORMATION: Description
                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                                           ENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 2002-03-11
APPLICATION NUMBER: US 09/817,879
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 60/337,055 FILING DATE: 2001-12-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 60/363,124
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APPLICATION NUMBER: US 60/335,059
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Kenneth, Draper
Elisabeth, Roberts
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Morrissey
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 Mismatches
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                                                                                            substrate
                                   DB 1;
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US-10-723-361-8353/c
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SEQ ID NO 8352
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Publication No. US20040137589A1
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Best Local Similarity
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00666
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TYPE: DNA
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F: SHANNON, Mark
INVENTION: HUMAN MYOSIN-LIKE
SRENCE: PB0105
                                                         HANZEL, David K
RANK, David R.
CHEN, Wensheng
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PENN, Sharron (
HANZEL, David )
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Pred. No. 3
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                       POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26

PRIOR FILING DATE: 2001-05-25

APPLICATION NUMBER:

US 09/866,108

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PRIOR FILING DATE: 2000-10-04
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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Publication No. US20040137589A1
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PETING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 2000-09-27
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PRIOR FILING DATE: 2000-05-26
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OR APPLICATION NUMBER: PCT/US01/00667
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00664
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/US01/00669
OR APPLICATION NUMBER: PCT/US01/00665
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FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
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PENN, Sharron G.
Pavid K.
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RANK, David R.
CHEN, Wensheng
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Pred. No. 3e+02;
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; TYPE: DNA
; ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-723-361-8665
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SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 9667
                                                                 Matches
                                                                                                  Query Match
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Best Local
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
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CURRENT FILING DATE: 2003-11-26
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANIFILE REFERENCE: PB0105
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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APPLICATION NUMBER: PCT/US01/00668
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; ORGANISM: Homo sapiens 
US-10-723-361-10037
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US-10-723-361-10038/c
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                                                                                               APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                            Sequence 10038, Application US/10723361 Publication No. US20040137589A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 10037
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Best Local Similarity
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APPLICANT: SHANNON, Mark
TITLE OF THE TOTAL POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
TOTAL OF THE TOTAL POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
                                     APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
FILE REFERENCE: PB0105
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CURRENT FILING DATE: 2003-11-26
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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APPLICANT: JI, Yonggang
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APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: MUCLEIC ACID BASED MODULATION OF VASCULAR END
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RI
FILE REFERENCE: MBHBO2-325PCT (400/047)
CURRENT APPLICATION NUMBER: US/10/712,633
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILLING DATE: 1995-10-26
PRIOR FILLING DATE: 1996-01-08
PRIOR FILLING DATE: 1996-01-08
PRIOR FILLING DATE: 1996-01-08
PRIOR FILLING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR APPLICATION NUMBER: US 09/370,690
PRIOR APPLICATION NUMBER: US 09/370,690
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SOFTWARE: PatentIn
SEQ ID NO 3472
LENGTH: 17
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PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 09/870,161
PRIOR FILING DATE: 2001-05-29
PRIOR APPLICATION NUMBER: US 60/334,461
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                                                                             NUMBER OF SEQ ID NOS:
                                                                                                         PRIOR FILING DATE: 2002-05-03
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Gordon, Gilad
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                                                         version 3.0
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AND

ORGANISM: Homo Sapiens

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FILE REPERENCE: 400/046-US (MBHB02-226-A)
CCURRENT APPLICATION NUMBER: US/10/724,270
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: PCT/US02/16840
PRIOR FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
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US-11-016-291-4
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US-10-724-270-1591/c
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US-10-724-270-1591
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                                                                                                                                                    Sequence 4, Application US/11016291 Publication No. US20050095641A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn version 3.0 SEQ ID NO 1591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1591, Application US/10724270 Publication No. US20050080031A1
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APPLICANT: BURGOYNE, LEIGH A.
TITLE OF INVENTION: METHODS AND MATERIALS
FILE REFERENCE: 45858-56064
CURRENT APPLICATION NUMBER: US/11/016,291
CURRENT FILING DATE: 2004-12-17
PRIOR APPLICATION NUMBER: 60/336,005
PRIOR FILING DATE: 2001-11-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
TITLE OF INVENTION: RAS, HER2 and HIV
FILE REFERENCE: 400/046-US (MBHB02-326-A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 6810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 10/417,012 PRIOR FILING DATE: 2003-04-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 17
TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                      0.9%;
Local Similarity 93.8%;
les 15; Conservarion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 10/157,580 FILING DATE: 2002-05-29 APPLICATION NUMBER: US 10/693,059 FILING DATE: 2002-10-23 APPLICATION NUMBER: US 10/444,853 FILING DATE: 2003-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 10/238,700 FILING DATE: 2002-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 60/294,140 FILING DATE: 2001-05-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 10/163,552 FILING DATE: 2002-06-06
                                                                                                                                                                                                                                                                                                                                                         1507 CCAGCCTCCAGGCCCC 1522
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0; Mismatches
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Pred. No. 3e+02;
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                                                                                                             FOR DETECTING GENETIC MATERIAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 17;
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Query Match
Best Local Similarity
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Best Local Similarity
Matches 15; Conserve
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US-09-263-959-1251/c
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                                                                                                               ; TOPOLOGY:
US-09-263-959-1251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1251,
                                                                                                                                                                                                    TELEPHONE: (206) 622-49
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,955
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                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D
REGISTRATION NUMBER: 33,
                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compati
                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTINUMBER OF SEQUENCES: 1279
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Seattle
STATE: Washing
                                                                                                                                                                                                                                                                                                                     FILING DATE: 0
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP:
                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
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                         634 TCACCCGGGAGCCCCA
17 TCACCCGGGAACCCCA
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                                                                                                                                                        : 18 base pairs
nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rowen, Lee
Koop, Ben F.
                                                         Conservative
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                                                                       Score 14.4;
Pred. No. 3.
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Pred. No. 36
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                                                         Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                Version #1
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                                                                                   Length 18;
                                                         Indels
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                                                       Gaps
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US-10-108-260A-5102

Sequence 5102, Application US/10108260A Publication No. US20040005560A1

RESULT 415

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APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560A1el full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5102
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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US-10-758-451-884/c
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-758-451-884
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                                                                                                                                                                                                                                                    Sequence 9, Application US/09930423 Publication No. US20030092003A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: East Carolina University
APPLICANT: East Carolina University
TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION
TITLE OF INVENTION: AND CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICT:
TITLE OF INVENTION: INFLAMMATION
FILE REFERENCE: 30775-706.301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
NUMBER OF SEQ ID NOS: 996
SOFTWARE: Patentin version 3.1
SEQ ID NO 884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
SEQ ID NO 9
LENGTH: 17
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                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: MSWiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930, 423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
                                                SOFTWARE: PatentIn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 14;
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US-09-930-423-359
; Sequence 359, Application US/09930423
; Publication No. US20030092003A1
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                                                                                                                                         US-09-930-423-360
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CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 359
LENGTH: 17
                                                                 Query Match 0.9%;
Best Local Similarity 85.7%;
Matches 12; Conservative
                                                                                                                                                                                                      SOFTWARE: PatentIn version 3.0 SEQ ID NO 360
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Best Local-Similarity
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                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for FILE REFERENCE: MHHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for FILE REFERENCE: MBHB00,918-A 400/027
                                                                                                                                                      TYPE: RNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                        LENGTH: 17
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Local Similarity 85.7%;
les 12; Conservation
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Pred. No. 3.2e+02;
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Pred. No. 3
                                                                    Mismatches
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RESULT 420 US-09-740-332-1541 ; Sequence 1541, Application US/09740332

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Sequence 359, Application US/09745237A

Publication No. US20030143708A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Tre
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT FILING DAYE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 1541
LENGTH: 17
TYPE: RNA
ORGANISM: artificial sequence
FEATURE:
NAME | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 
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US-09-745-237A-9
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APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
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LENGTH: 17
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Best Local Similarity
SEQ ID NO 359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Method and Reagent for the FILE REFERENCE: 400/007 (MBHB00-918-A) CURRENT APPLICATION NUMBER: US/09/745,237A CURRENT FILING DATE: 2002-04-15 NUMBER OF SEQ ID NOS: 4550 SOFTWARE: PatentIn version 3.0
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ORGANISM: Homo sapiens
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Pred. No. 3.2e+02
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Pred. No. 3.2e+02
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APPLICANT: Ribozyme Pharmaceuticals, Inc.,
APPLICANT: Blatt, Larry
APPLICANT: MCSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Tr.,
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 360
LENGTH: 17
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Best Local Similarity
Matches 12; Conserve
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                                                                                                                                                                                                                                             Sequence 1541, Application US/09817879

Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection

FILE REFERENCE: MEHBOO-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: Patentin version 3.0

SEQ ID NO 1541

LENGTH: 17
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Best Local Similarity
Matches 12; Conserv
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                                                                  Matches
                                                                                  Query Match
Best Local :
                                                                                                                                                                                                   TYPE: RNA ORGANISM: artificial sequence FEATURE:
                                                                                                                                                                              NAME/KEY: misc_feature
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                                                                                  Local Similarity
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Pred. No.
                                                                                  Score 14; DB 1;
Pred. No. 3.2e+02;
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Pred. No. 3.2e+02,
                                                                  Mismatches
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                                                                                                   Length 17;
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                                                                  Gaps
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US-10-307-005-955/c

Sequence 955, Appropriate Publication No.

Application US/10307005 o. US20030236208A1

ENERAL INFORMATION

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; ORGANISM: Eucalyptus camaldulensis
US-10-307-005-955
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ORGANISM: Eucalyptus camaldulensis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity Matches 14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides FILE REFERENCE: Napro/009 PCT CURRENT FILING DATE: 2002-11-26 PCT CURRENT FILING DATE: 2002-11-26 PRIOR APPLICATION NUMBER: PCT/US01/17672 PRIOR PILING DATE: 2001-06-01 PRIOR PILING DATE: 2001-06-01 PRIOR APPLICATION NUMBER: US 60/208,538 PRIOR FILING DATE: 2000-06-01 PRIOR APPLICATION NUMBER: US 60/244,989 PRIOR PILING DATE: 2000-06-01 PRIOR APPLICATION NUMBER: US 60/244,989 PRIOR PILING DATE: 2000-06-01 PRIOR PILING DATE: 2000-03-07 PRIOR PILING DATE: 2000-03-27 PRIOR FILING DATE: 2001-03-27
                                                                                        SEQ ID NO 956
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APPLICANT:
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                                                                                                                                                     PRIOR FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
                                                                                                                                                                                                                                                                                                                                 APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
FILE REFERENCE: Hapro/009 PCT
CURRENT APPLICATION NUMBER: US/10/307,005
CURRENT FILING DATE: 2002-11-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Fr
                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: PCT/US01/17672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 2717
                                                                                                                                  NUMBER OF SEQ ID NOS: 2717
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Howard B. Gamper
Michael C. Rice
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Michael C. Rice
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llarity 100.0%; Pred. No.
Conservative 0; Minimum
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                                                                                                                                                           ; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-4134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/358,580
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                                                                                                  Query Match
Best Local Similarity
                                                                              Matches
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APPLICANT: Kenneth, Draper
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
CURRENT FILING DATE: 2003-09-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Sirna Therapeutics, APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/611,931 PRIOR FILING DATE: 2000-07-07 PRIOR APPLICATION NUMBER: US 09/504,321 PRIOR FILING DATE: 2000-02-15
                                                                                                                                                                                                                                                                                                                                                                                                          Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 16207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 2000-12-18 PRIOR APPLICATION NUMBER: US (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/817,879
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PRIOR APPLICATION NUMBER: US 09/740,332
                                                                                                                                                                                                    FEATURE:
NAME/KEY: misc_feature
LOCATION:
                                                                                                                                                                                                                                                       FEATURE: OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                ENGTH: 17
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                                  766 TCCACGCCATGTTC 779
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UCCACGCCAUGUUC 17
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David, Morrissey
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100.0%; Pred. No.
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Pred. No.
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                                                                                                                       Length 17
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US-09-866-108-1895/c

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US-09-866-108-2643/c
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PRIOR FILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
               APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharrc
APPLICANT: HANZEL, David
APPLICANT: RANK, David
                                                                                        Patent No. Ubar.
Patent INFORMATION:
                                                                                                                            Sequence 2643, Application Patent No. US20020048800A1
                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 1895
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
-09-866-108-1895
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
PTILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 2001-01-30
APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 60/266,860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US01/00670
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US01/00662
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Similarity 88.2%;
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JI, Yonggang
PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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CHEN, Wensh
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EL, David
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Pred. No. 3.
                                                                                                                                                                                                                                                                                                                Mismatches
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APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: NYOSIN-LIKE GENE EXPRESSED IN
FILE REFERENCE: AEOMICA-7
CCURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
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CURRENT APPLICATION NUMBER: US/09/866,108

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: CT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G
APPLICANT: HANZEL, David R
APPLICANT: RANK, David R.
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LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                               Patent No. US20020048800A1
GENERAL INFORMATION:
APPRITANTM ----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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PRIOR APPLICATION NUMBER: PCT/US01/00670
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
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PRIOR FILING DATE: 2001-01-30
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les 15; Conserv
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APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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llarity 88.2%;
Conservative
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Pred. No. 3
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; ORGANISM: Homo sapiens
US-09-866-108-7355
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Best Local Similarity
Matches 15; Conserv
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 7485, Application US/09866108 Patent No. US20020048800A1
                    PRIOR
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APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
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PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
                                                                                                                                                                                                                                                             FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
                                                      APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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                  APPLICATION NUMBER: PCT/US01/00664 FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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PENN, Sharron
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Pred. No. 3.3e+02;
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FILE REFERENCE: ACOMINGATE
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILLING DATE: 2000-05-26
PRIOR FILLING DATE: 2000-00-04
PRIOR PILLING DATE: 2000-10-04
PRIOR PILLING DATE: 2000-09-27
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00666
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PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PILLING DATE: 2001-01-30
PRIOR PILLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PILLING DATE: 2001-01-30
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US-09-866-108-8568
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7485
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PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: DCT/US01/00670
PRIOR APPLICATION NUMBER: US 60/266 860
PRIOR APPLICATION NUMBER: US 60/266 860
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LENGTH: 17
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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nes 15; Conserv
                                                APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661 FILING DATE: 2001-01-30
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PENN, Sharron G.
HANZEL, David K.
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nilarity 88.2%;
Conservative
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RESULT 433
US-09-866-108-8660
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-8568
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LENGTH: 17
                                                                 SEQ ID NO 8660
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                                                                                                                                              PRIOR APPLICATION NUMBER: US 60/266,860 PRIOR FILING DATE: 2001-02-05 NUMBER OF COLUMBER O
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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                                                                                                      SOFTWARE: Aeomica
                                                                                                                               NUMBER OF SEQ ID NOS: 1575;
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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TYPE: D
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APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
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APPLICATION NUMBER: GB 24263.6
FILING DATE: 2000-10-04
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
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APPLICATION NUMBER: US
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APPLICATION NUMBER: PCT/US01/00668
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                                                                                                                                   ; ORGANISM: Homo sapiens
US-09-866-108-8661
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8661
LENGTH: 17
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PRIOR FILING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
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US-09-866-108-8664
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                                                  Sequence 8664, Application US/09866108 Patent No. US20020048800A1 GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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NUMBER OF SEQ ID NOS: 15752
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CURRENT APPLICATION NUMBER: US/09/866,108
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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                 APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggar
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APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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PENN, Sharron G
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                   Yonggang
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Pred. No. 3.3e
0; Mismatches
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; ORGANISM: HOMO US-09-866-108-8664
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SOFTWARE: Acomica Sequence
SEQ ID NO 8664
LENGTH: 17
TYPE: DNA
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00665
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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CURRENT APPLICATION NUMBER: US/09/866,108
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
             CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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PRIOR FILING DATE: 2001-01-30
                                                                       APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED
FILE REFERENCE: AEOMICA-7
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PRIOR FILING DATE: 2000-05-26
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Local Similarity 88.2%;
es 15; Conservation
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FILING DATE: 2000-09-21
APPLICATION NUMBER: US 60/266,860
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FILING DATE: 2001-01-30
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PENN, Sharron G
HANZEL, David K
RANK, David R.
CHEN, Wensheng
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Pred. No. 3
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APPLICATION NUMBER: GB 24263.6 FILING DATE: 2000-10-04

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RESULT 438
US-09-866-108-9688/c
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; ORGANISM: Homo sapiens
US-09-866-108-9687
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
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APPLICANT: DIN, Yonggang
APPLICANT: PIN, Sharra
APPLICANT: HANZEL, David
APPLICANT: CHEN, Wensh
APPLICANT: SHANNON, Man
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Best Local (
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TITLE OF INVENTION: MYOSTI-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
APPLICATION NUMBER: US 60/266,860
FILING DATE: 2001-02-05
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APPLICATION NUMBER: PCT/US01/00667
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HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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LENGTH: 17
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Best Local Similarity
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
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CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30
                                     FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
                                                                             APPLICATION NUMBER: PCT/US01/00668
                                                                                                APPLICATION NUMBER: PCT/US01/00665 FILING DATE: 2001-01-30
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NUMBER: PCT/US01/00662
                    2001-01-30
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Pred. No. 3
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; ORGANISM: Homo sapiens
US-09-866-108-9689
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION UMBER: US 60/266,860
PRIOR PILING DATE: 2001-02-05
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                 SEQ ID NO 4
                                                                                                                                                                     OTHER INFORMATION: synthetic construct -09-776-291A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1985-04-11
PRIOR APPLICATION NUMBER: 06/689,013
PRIOR FILING DATE: 1985-01-02
PRIOR APPLICATION NUMBER: 06/570,973
PRIOR FILING DATE: 1984-01-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR PRIOR
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PRIOR FILING DATE: 1992-06-12
PRIOR APPLICATION NUMBER: 07/660,160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/361,176
PRIOR FILING DATE: 1994-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 243132000106
CURRENT APPLICATION NUMBER: US/09/776,291A
CURRENT FILING DATE: 2001-02-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: HUNKAPILLER, Tim J.
APPLICANT: CONNELL, Charles R.
TITLE OF INVENTION: AUTOMATED DNA SEQUENCING TECHNIQUE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: SMITH, Lloyd M.
APPLICANT: HOOD, Leroy E.
APPLICANT: HUNKAPILLER, M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Aeomica Sequence Listing Engine
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SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                              FEATURE:
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APPLICATION NUMBER: 07/660,160
FILING DATE: 1991-02-21
APPLICATION NUMBER: 07/106,232
FILING DATE: 1987-10-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 06/722,742
                                        1357 AAGCGCTGCAGGAATAC 1373
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17
ATGCTCTGCAGGAATAC 1
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                                                                                  Conservative
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                                                                                  Score 13.8; Di
Pred. No. 3.3e
0; Mismatches
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1.3e+02;
                                                                                                                         Length 17;
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RESULT 443 US-09-864-785-213

Sequence 213, Application Patent No. US20020177568A1 GENERAL INFORMATION:

Application US/09864785

APPLICANT: Ribozyme Pharmaceuticals, Inc.

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APPLICANT: McSwiggen, Jim
ITILE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
ITILE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MSHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 115
LENGTH. 17
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US-09-864-785-115
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                                                                                                                                           ; OTHER INFORMATION: Description of Artificial Sequence: US-09-864-785-117
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                                                                                                                                                                                                                                  SOFTWARE: PatentIn version 3.0
SEQ ID NO 117
LENGTH: 17
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                                                                       Matches
                                                                                                       Query Match
                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Levels of NF-Kappa B FILE REFERENCE: 400/022 (MBH800-812-D) CURRENT APPLICATION NUMBER: US/09/864,785 CURRENT FILING DATE: 2001-05-23 NUMBER OF SEQ ID NOS: 3929
                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE: OTHER INFORMATION: Description of Artificial Sequence:
                                                                                                                                                                               ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                     TYPE: RNA
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Local Similarity 82.4%;
es 14; Conservation
992 CAACAACCCCTCCCAGG 1008
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1 CAACAACCCCUUCCAAG 17
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Pred. No. 3.3e
1; Mismatches
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Pred. No. 3.3e+02;
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                                                                                          8; DB 1;
3.3e+02;
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Tr
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/99/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 215
LENGTH: 17
TYPE: RNA
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US-09-864-785-336
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                                                                                                                                       Sequence 336, Application US/09864785 Patent No. US20020177568A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Enymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/99/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 213
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local
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           APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: McSwiggen, Jim TITLE OF INVENTION: Enzymatic Nucleic Acid TITLE OF INVENTION: Levels of NF-Kappa B FILE REFERENCE: 400/022 (MBHB00-812-D)
                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence FEATURE:
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Similarity 82.4%;
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                                                                                                                                                                                                                                                                                                                                         Conservative
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 NUMBER:
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US/09/864,785
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Pred. No. 3.
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Pred. No. 3.3e+02;
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. 3.3e+02;
2;
                                                    Treatment
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                                                  of Diseases
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                                                  Relate
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GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Stinchcomb, Dan

APPLICANT: Draper, Ken

APPLICANT: Draper, Ken

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Enzymatic Nucleic Acid Tr.

TITLE OF INVENTION: Levels of NF-Kappa B

FILE REFERENCE: 400/022 (MSHB00-812-D)

CURRENT APPLICATION NUMBER: US/09/864,785

CURRENT FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3929

SOFTWARE: Patentin version 3.0

SEQ ID NO 1520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1519, Application US/09864785
Patent No. US30020177568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Tr.
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
LENGTH: 17
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; OTHER INFORMATION: Description
US-09-864-785-336
                                                                                                                                                                                                                                                                                      US-09-864-785-1520
                                                                                                                                                                                                                                                                                                         RESULT 447
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US-09-864-785-1519
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                                                                                                                                                                                                                                                    Sequence 1520, Application US/09864785 Patent No. US20020177568A1
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Best Local Similarity
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 17
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3929
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Pred. No. 3
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Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of Artificial
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                                                                                                                                          Treatment
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                                                                                                                                            Diseases
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                                                                                                                                            Related
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Artificial Sequence

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TITLE OF INVENTION: Enzymatic Nucleic Acid Try
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 2036
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 687, Application US/09: Publication No. US20030014775A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2036, Application US/09864785
Patent No. US20020177568A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 13.8; DB 1; Best Local Similarity 82.4%; Pred. No. 3.3e+02; Matches 14; Conservative 1; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Description of Artificial Sequence:
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                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  989 CACCAACAACCCCTCCC 1005
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          CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CAACAACAACCCCUUCC 17
                                                                                                                                                                                       OF INVENTION: COMPOSITION AND METHODS FOR MODULATION OF GENE EXPRESSION IN PLANTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/09961077
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                                                                                                                                                                                                                                                Folkerts, Otto
Merlo, Donald J
                                                                                                                                                                                                                                                                                     Skokut, Thomas A
                                                                                                                                                                                                                                                                                                                                                   McSwiggen, James A.
Merlo, Patricia Ann
                                                                                                                                                                                                                                                                                                                                                                                            Edington, Brent E.
                                                                                              Suite 4700
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                                                                                                                                                                                                                                                                                                              Thomas A.
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Pred. No. 3.3e+02;
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                                                                                                                                                                                                                                                                                          Sequence 1053, Application US/09780533A

Publication No. US2003060611A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
FILE REFERENCE: MBH800, 878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT PILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
REFERENCE: MBH801, 878-A (400/011)
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
REFERENCE: MBH801, 878-A (400/011)
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
                                                                                                                                                                        NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1053
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
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US-09-780-533A-1053/c
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BEBT Local Similarity 88.2%;
Matches 15; Conservative
                                                                            Query Match
Best Local Similarity
Matches 15; Conserv
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SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
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APPLICATION NUMBER: 08/679,645
FILING DATE: July 12, 1996
APPLICATION NUMBER: 60/001,135
FILING DATE: July 13, 1995
APPLICATION NUMBER: 08/300,726
FILING DATE: September 2, 1994
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OPERATING SYSTEM: IBM P.C.
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 219/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
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                                     1622 AATAAAACTGTCTTGTG 1638
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  17 ATTAMAACTGTCTTTTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard J. REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: 3.5" Diskette,
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                                                                              Conservative
                                                                                              0.8%;
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Pred. No. 3.3e+02;
0; Mismatches 2;
                                                                                                Score 13.8; DB 1;
Pred. No. 3.3e+02;
                                                                                Mismatches
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; ORGANISM: Homo sapiens
US-09-780-533A-1885
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APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT FILING NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 1885
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 874, A Publication No.
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals, Inc
APPLICANT: Blatt, Larry
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                                                                                                                                                                                                 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/093,972C
FILING DATE: 09-Jun-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNWBER: US 08/472,527
FILING DATE: 7-June-1995
                                                                                                                                                                                                                                                                                                                                                           ZIP: 08512

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version-#1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Nyce, Jonathan w.
TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION

& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH

& TREATMENT OF DISEASES & CONDITIONS ASSOCIATED WITH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1621 CAATAAAACTGTCTTGT 1637
                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC
STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 CATTAAAACTGTCTTTT 1
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                                                           APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 09/016,464
FILING DATE: 30-January-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Cranbury
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
REGISTRATION NUMBER: 30,930
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Pred. No. 3.3e+02;
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GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 874:
                                                                                     INFORMATION FOR SEQ ID NO: 944:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                         SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 09/016,464 FILING DATE: 30-January-1998 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
APPLICATION NUMBER: US 08/757,024
FILING DATE: 26-11-1996
APPLICATION NUMBER: US 08/472,527
FILING DATE: 7-June-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATCHET Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 874:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 996 CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: COMPOSITION, FORMULATIONS & METHOD FOR PREVENTION & TREATMENT OF DISEASES & CONDITIONS ASSOCIATED W. BRONCHOCONSTRICTION, ALLERGY(IES) & INFLAMMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: EPI-00672 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
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LENGTH: 17 base pairs
TYPB: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Nyce, Jonathan W.
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                                                                                                                                                                                          NAME: Amzel, Viviana
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: EPI-00672
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                           TELEPHONE: 609-409-3035
TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/09/093,972C FILING DATE: 09-Jun-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: 7 Clarke Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 413-254-9245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Cranbury
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
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                                                                                                           TELEX: <Unknown>
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o. US20030087845A1
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Pred. No. 3.3e+02;
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; MOLECULE TYPE: DNA (genomic); SEQUENCE DESCRIPTION: SEQ ID US-09-093-972C-944
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US-09-930-423-57/c
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                                       Query Match
Best Local Similarity
"hes 12; Conserv"
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APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 57, Applica Publication No. US20 GENERAL INFORMATION:
                                                                                                                                         SEQ ID NO 880
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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Best Local Similarity 88.2%;
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                                                                                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Lawrence Blatt
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Bharat Chowrira
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
FILE REFERENCE: mBHB00-678-C (400/017)
CURRENT APPLICATION NUMBER: US/99/827,395A
CURRENT FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 09/780,53
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR PRIOR APPLICATION NUMBER: 60/181,797
PRIOR PRIOR SEQ ID NOS: 2617
SOFTWARE: Patentin version 3.0
                                                                                                                              -09-827-395A-880
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TYPE: RNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
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1117 CCTTGCTGGAGCAGCTG 1133
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40. US20030092003A1
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Pred. No. 3.3e+02;
0; Mismatches 2;
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Pred. No. 3.
                                                      Score 13.8; DB 1;
Pred. No. 3.3e+02;
3; Mismatches 2
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                                                                                            DB 1;
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                                                                                        Length 17;
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                                                        Indels
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RESULT 458
US-09-740-332-3012/c
; Sequence 3012, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
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Best Local Similarity
'---hes 9; Conserva
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US-09-740-332-2161
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CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 632
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2161, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases
TITLE OF INVENTION: Hepatitis C Virus Infection
EILE REFERENCE: RPI 400/003
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                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn version 3.0
SEQ ID NO 2161
LENGTH: 17
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Best Local Similarity 47.1%;
Matches 8; Conservative
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CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
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TITLE OF INVENTION:
FILE REFERENCE: RPI
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature LOCATION:
                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
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Pred. No. 3.3e+02;
7; Mismatches 2;
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Pred. No. 3.
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Ribozyme Pharmaceuticals Inc.

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; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3012
                                                                                                                                                                                                                                RESULT 460
US-09-745-237A-57/c
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US-09-792-818-440/c
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FILE REFERENCE: RPI 40/2003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SOFTWARE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser TITLE OF INVENTION: (GRID) Gene FILE REFERENCE: MeHBOO-901-A (400/013) CURRENT APPLICATION NUMBER: US/09/792,818 CURRENT FILING DATE: 2001-02-23 NUMBER OF SEQ ID NOS: 2304 SOFTWARE: PatentIn version 3.0 SEQ ID NO 140 SEQ ID NO 140
                                                                                                                                                                     Sequence 57, Application US/09745237A Publication No. US20030143708A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%;
Best Local Similarity 88.2%;
              APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
TITLE OF INVENTION: Method and Reagent for the Treatment
FILE REFERENCE: 400/007 (WBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Ribozyme Pharmaceuticals,
APPLICANT: Jarvis, Thale
APPLICANT: Von Carlowitz, Ira
APPLICANT: McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
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NAME/KEY: misc_feature
SOFTWARE:
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hes 15; Conserv
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PatentIn version 3.0
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Hamblin, Paul
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Pred. No. 3.3e+02;
0; Mismatches 2;
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Pred. No. 3.3e+02;
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US-09-817-879-2161
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Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MAHBOO-801-F
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals Inc.

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related Title OF INVENTION: Hepatitis C Virus Infection

FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0

SEQ ID NO 632

LENGTH: 17
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Best Local Similarity
Matches 15; Conserv
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LENGTH: 17
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Best Local
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Matches
                                Query Match
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                                                                                   OTHER INFORMATION: oligonucleotide substrate
                                                                                                       NAME/KEY: misc_feature
LOCATION:
                                                                                                                                     FEATURE:
                                                                                                                                                     ORGANISM: artificial sequence
                                                                                                                                                                       TYPE: RNA
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Local Similarity 47.1%;
les 8; Conservative
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9; Conserv
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o. US20030171311A1
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Pred. No. 3
 Score 13.8; DB 1;
Pred. No. 3.3e+02;
6; Mismatches 2;
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Pred. No. 3
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RESULT 464
US-10-079-625-25
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TYPE: RNA
CORGANISM: artificial sequence
FEATURE:
FEATURE:
NAME/KEY: misc_feature
LOCATION: nisc_feature
COTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3012
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US-09-817-879-3012/c
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 3012
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Publication No. US20
GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/079,625
FILING DATE: 2002-FEB-19
PRIOR APPLICATION NUMBER: 08/864,564
APPLICATION NUMBER: 08/964,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-196
APPLICATION NUMBER: 08/638,524
                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                          COUNTRY: US
ZIP: 02110-2804
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STATE: MA
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Pred. No. 3.3e+02
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US-10-079-625-27
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INFORMATION FOR SEQ ID NO: 2
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
TENGTH: 17 base pairs
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Publication No.
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Best Local Similarity 88.2%;
  COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/079,625
FILING DATE: 2002-FEB-19
PRIOR APPLICATION NUMBER: 08/864,564
APPLICATION NUMBER: 08/864,564
FILING DATE: 28-MAY-1997
APPLICATION NUMBER: 08/708,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: 08/638,524
APPLICATION NUMBER: 08/638,524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis I
APPLICANT: Tepper, Robert I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Meiklejohn, Ph.D., Anita L. REGISTRATION NUMBER: 35,283 REFERENCE/DOCKET NUMBER: 07334/01 TELECOMMUNICATION INFORMATION: TELEPHONE: 617-542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 04-DEC-1995
APPLICATION NUMBER: 08/562,663
FILING DATE: 27-NOV-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DEFORMAND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                      COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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CITY: Boston
STATE: MA
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FILING DATE: 11-DEC-1995
08/569,485
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FILING DATE: 28-DEC-1995
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Pred. No. 3.3e+02;
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Length 17;

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Gaps

APPLICATION NUMBER: FILING DATE: 28-DE APPLICATION NUMBER:

28-DEC-1999 22-JAN-1

08/583,153

08/599,455

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; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-748
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US-10-079-625-27
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TELEX: 200154
INFORMATION FOR SEQ ID NO: 2'
SEQUIENCE CHARACTERISTICS: 2'
FUNGTH: 17 base pairs
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                                                                                                         SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 748
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Best Local Similarity
Matches 15; Conserv
 Query Match
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CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
                                                                                                                                                         PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN FILE REFERENCE: PB0177
                                                                                                                                            NUMBER OF SEQ ID NOS: 4804
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ATTORNEY/AGENT INFORMATION:
NAME: Meiklejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 07334/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 617-542-5070
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TOPOLOGY: lir
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                                                                                                                                                                                                APPLICATION NUMBER: US 09/864,761 FILING DATE: 2001-05 00
                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: PCT/US01/00665 FILING DATE: 2001-01-30
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                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US01/00663 FILING DATE: 2001-01-30
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Pred. No. 3
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 Score 13.8;
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3.3e+02;
 DB 1;
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Length 17;
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APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: P80177
CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0664
PRIOR APPLICATION NUMBER: PCT/US01/0669
PRIOR APPLICATION NUMBER: PCT/US01/0669
PRIOR APPLICATION NUMBER: PCT/US01/0665
PRIOR APPLICATION NUMBER: PCT/US01/0665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0666
PRIOR APPLICATION NUMBER: PCT/US01/0666
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US-10-060-756A-749
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LENGTH: 17
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Matches 15; Conservat
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CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
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SOFTWARE: Aeomica Sequence Listing Engine
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
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PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local
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APPLICATION NUMBER: US 09/864,761
                                          FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663 FILING DATE: 2001-01-30
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o. US20030046717A1
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0; Mismatches 2;
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Pred. No. 3
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APPLICANT: Nibozyme Pharmaceuticals, Inc.

APPLICANT: NcSwiggen, James

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Levels of IKK-Gamma and PKR

FILE REFERENCE: MBHBD1-664-A (400/050)

CURRENT APPLICATION NUMBER: US/10/156,306

CURRENT FILING DATE: 2002-05-28

NUMBER OF SEQ ID NOS: 8013

SOFTWARE: Patentin version 3.0

SEQ ID NO 2719

TYPE: RNA

ORGANISM: Homo sapiens

US-10-156-306-2719
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US-10-156-306-2719/c
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US-10-156-306-5069
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                                                                                  / ORGANISM: Homo sapiens
US-10-156-306-5069
                                                                                                                                          APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IXK-Gamma and PKR
TITLE OF INVENTION: Levels of IXK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PATENTIN Version 3.0
SEQ ID NO 5069
LENGTH: 17
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Hest Local Similarity 88.2%;
Matches 15; Conservation
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1238
                                                                                                                                                                                                                                                                                                                                                                      Sequence 5069, Application US/10156306 Publication No. US20030119017A1 GENERAL INFORMATION:
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Query Match 0.8%;
Best Local Similarity 58.8%;
Matches 10; Conservative
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PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
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ORGANISM: Homo sapiens
                                                                                                                        LENGTH: 17
TYPE: RNA
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88.2%;
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Pred. No. 3.3e+02;
0; Mismatches 2;
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Pred. No. 3.3e+02;
  Score 13.8; DB 1;
Pred. No. 3.3e+02;
5; Mismatches 2;
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US-10-156-306-5948
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PRIOR FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-02-09
PRIOR EPILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: PCT/US01/04273
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: PCT/US02/10512
PRIOR APPLICATION NUMBER: PCT/US02/10512
PRIOR APPLICATION NUMBER: PCT/US02/10512
PRIOR FILING DATE: 2002-04-03
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SEQ ID NO 880
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Publication No. US20030203870A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Lawrence Blatt
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APPLICANT:
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                                                            Matches
                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
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APPLICANT: McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Method and Reagent for FILE REFERENCE: MBHB00-878-H (400/112) CURRENT APPLICATION NUMBER: US/10/430,882 CURRENT FILING DATE: 2003-05-06
                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 2617
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ORGANISM: Homo sapiens
                                                                                                                                                             ORGANISM: Homo sapiens
                                                                                                                                                                                TYPE: RNA
                                                                                                                                                                                                     LENGTH:
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1117 CCTTGCTGGAGCAGCTG 1133
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Peter Haeberli
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James McSwiggen
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Pred. No. 3.3e
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Pred. No. 3.3e+02;
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RESULT 475
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; ORGANISM: Homo sapiens
US-10-138-674-4182
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; ORGANISM: Mus musculus
US-10-138-674-3543
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                             Sequence 3543, Application US/10287949A Publication No. US20040102389A1 GENERAL INFORMATION:
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LENGTH: 17
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APPLICANT:
APPLICANT:
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTMARE: PatentIn version 3.0
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TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
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Ribozyme Pharmaceuticals, Inc
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McSwiggen, Jim
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the
FILE REFERENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/9/653,225
PRIOR FILING DATE: 2000-08-31
                                                                                                                                                                                                                                                                               US-10-712-672-564/c
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
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CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 3543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 4182
LENGTH: 17
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
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CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
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ORGANISM: Homo sapiens
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ORGANISM: Mus musculus
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Pred. No. 3.3e+02;
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RESULT 478
US-10-712-672-1193
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; ORGANISM: Homo sapiens
US-10-712-672-564
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; ORGANISM: Homo sapiens
US-10-712-672-1193
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                        Sequence 3225, Application US/10669841 Publication No. US20040127446A1
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TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFERENCE: MEMB800-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/09/653,225
PRIOR APPLICATION NUMBER: US/09/653,225
PRIOR FILING DATE: 2000-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, APPLICANT: Chowrira, Bharat
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PRIOR APPLICATION NUMBER: 60/150,713
PRIOR FILING DATE: 1999-08-31
                                                                                                                                                           APPLICANT: Sirna Therapeutics, APPLICANT: Lawrence, Blatt APPLICANT: Dennis, Macejak
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/150,713
PRIOR FILING DATE: 1999-08-31
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SOFTWARE: PatentIn version 3.0
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Local Similarity 70.6%;
CANT: Elisabeth, Roberts
OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS
OF INVENTION: VIRUS REPLICATION
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                                                                                                                       Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                              Patrice, Lee
Kenneth, Draper
                                                                                                        Pamela, Pavco
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Pred. No. 3.3e+02;
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Pred. No. 3.3e+02;
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US-10-669-841-3225
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NUMBER OF SEQ ID NOS: 16207
SOFTWARE: Patentin version 3.0
SEQ ID NO 3225
LENGTH: 17
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Best Local Similarity 47.1%;
Matches 8; Conservative
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APPLICANT: Sirna Therapeutics,
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             APPLICANT: Elisabeth, Toberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR PILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR PILING DATE: 2001-06-08
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
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PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR FILING DATE: 2000-12-18
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PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
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CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/504,321
PRIOR FILING DATE: 2000-02-15
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PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
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ORGANISM: Artificial Sequence
FEATURE:
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APPLICATION NUMBER: US 60/337,055
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Kenneth, Draper
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Pred. No. 3.3e+02;
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LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
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FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR FILING DATE: 2002-03-26
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OTHER INFORMATION: oligonucleotide
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OTHER INFORMATION: Description
FEATURE:
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FILING DATE: 2001-06-08
APPLICATION NUMBER: US 60/335,059
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APPLICATION NUMBER: US 60/337,055
FILING DATE: 2001-12-05
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                                                 FILING DATE: 2002-03-11
APPLICATION NUMBER: US 09/817,879
                                                                                    APPLICATION NUMBER: US 60/358,580 FILING DATE: 2002-02-20 APPLICATION NUMBER: US 60/363,124
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APPLICATION NUMBER: US
FILING DATE: 2002-02-20
             FILING DATE: 2001-03-26
APPLICATION NUMBER: US 09/740,332
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Kenneth, Draper
Elisabeth, Roberts
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2000-12-
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    See File Wrapper or

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; ORGANISM: Homo sapiens US-10-723-361-1895
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US-10~723-361-1895/c
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NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5605
LENGTH: 17
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                                                                                                                SEQ ID NO 1895
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Query Match
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
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                                                                                                                                                     Remaining Prior Application NUMBER OF SEQ ID NOS: 15755
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                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 60/236,359
                                                                          TYPE: DNA
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Local Similarity 88.2%;
                                                                                                                                                                                         FILING DATE: 2001-01-30
                                                                                                                                                                                                           APPLICATION NUMBER: PCT/US01/00668
                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/US01/00665
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                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/US01/00669
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                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: PCT/US01/00667
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PENN, Sharron
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Pred. No. 3.3e+02;
 Score 13.8;
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RESULT 483
US-10-723-361-2643/c
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                                                                                       Sequence 7355, Application US/10723361 Publication No. US20040137589A1 GENERAL INFORMATION:
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Publication No. US20040137589A1
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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CURRENT FILING DATE: 2003-11-26
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
FILE REFERENCE: PB0105
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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APPLICANT: JI, Yongga
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NUMBER OF SEQ ID NOS: 15755
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TYPE: DNA
ORGANISM: Homo sapiens
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15; Conservative
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0; Mismatches 2
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Pred. No. 3
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RESULT 485
US-10-723-361-7485/c
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                                            FILE REFERENCE: PB0105

CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT APPLICATION NUMBER: US 09/866,108

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/20,456

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: US 60/236,359
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Best Local Similarity 88.2%;
Matches 15; Conservative
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT
PRIOR FILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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PENN, Sharro
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HANZEL, David
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Pred. No. 3.
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; ORGANISM: Homo sapiens
US-10-723-361-8568
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-7485
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
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Query Match 0.8%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2%;
Matches 15; Conservation
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 15755
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
FILE REFERENCE: PB0105
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                                                                                                                                 TYPE: DNA
                                                                                                                                                LENGTH: 17
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R FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: PCT/US01/00664
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                       Score 13.8; DB 1
Pred. No. 3.3e+02
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Pred. No. 3.3e
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RESULT 488
US-10-723-361-8661
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/886,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-26
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PRILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
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US-10-723-361-8660
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PRIOR FILING DATE: 2001-01-30
PRIOR PFILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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Best Local S
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                                                                                                  APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggar
APPLICANT: PENN, Sharr
APPLICANT: HANZEL, Dav
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                                            APPLICANT:
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AND
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APPLICANT: JI, Yongga
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INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
ERENCE: PB0105
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PENN, Sharron
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                                                           RANK, David R. CHEN, Wensheng
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RESULT 489
US-10-723-361-8663
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                 PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-46
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00664
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
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CURRENT FILING DATE: 2003-11-26
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
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TYPE: DNA
ORGANISM: Homo sapiens
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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                      APPLICATION NUMBER: PCT/US01/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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HANZEL, David K.
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US-10-723-361-8664
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PRIOR FILING DATE: 2001-05-25
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: NCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
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PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed .
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 8663
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8664
LENGTH: 17
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
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CURRENT FILING DATE: 2003-11-26
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
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PRIOR FILING DATE: 2001-01-30
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RANK, David R.
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Pred. No. 3.3e+02;
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                                                                                                            APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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Publication No. US20040137589A1
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Publication No. US20040137589A1
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
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              CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
                                                         APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
FILE REFERENCE: PB0105
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FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
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APPLICATION NUMBER: US 60/207,456
FILING DATE: 2000-05-26
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NN, Sharron G.
NZEL, David K.
TE: 2003-11-26
NUMBER: US 09/
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PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
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APPLICATION NUMBER: PCT/US01/00667
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PCT/US01/00668
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US-10-890-776A-748
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US-10-758-451-944
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               CURRENT APPLICATION NUMBER: US/10/890,776A
CURRENT FILING DATE: 2004-07-14
PRIOR APPLICATION NUMBER: US 10/060,756
PRIOR APPLICATION NUMBER: US 10/060,756
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 9689
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 944
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APPLICANT: East Carolina University
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: COMPOSITION, FORMULATION & METHOD FOR PREVENTION & TREATMENT OF ITITLE OF INVENTION: AND CONDITIONS ASSOCIATED WITH BRONCHOCONSTRICTION, ALLERGY(IES) TITLE OF INVENTION: INFLAMMATION FILE REFERENCE: 30775-706.301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/758,451
CURRENT FILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: 09/093,972
PRIOR FILING DATE: 1998-06-09
                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: PB0177
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TYPE: DNA
ORGANISM: Homo sapiens
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o. US20050014711A1
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: 2001-01-30
NUMBER: PCT/US01/00669
: 2001-01-30
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Pred. No. 3.3e+02;
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US-10-890-776A-1238

Sequence 1238, Application US/10890776A
Publication No. US20050129683A1
GENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN

RESULT 497

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US-10-890-776A-749
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                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-890-776A-749
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SEQ ID NO 748
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                       SOFTWARE: Aeomica
SEQ ID NO 749
LENGTH: 17
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                                                                                        Best Local Similarity Matches 15; Conserv
                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/890,776A
CURRENT FILING DATE: 2004-07-14
PRIOR APPLICATION NUMBER: US 10/060,756
PRIOR FILING DATE: 2002-01-30
PRIOR FILING DATE: 2002-01-30
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PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
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                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 4809
                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 60/327,898 PRIOR FILING DATE: 2001-10-09
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Local Similarity 88.2%;
es 15; Conservative
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                                            522 ATCGACTCCCTGCTGGA 538
  1 AGCGACTCACTGCTGGA 17
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                                                                                          Conservative
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                                                                                                                0.8%; Score 13.8;
88.2%; Pred. No. 3.
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Pred. No. 3.
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3.3e+02;
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CUERRENT PELICATION NUMBER: US/10/890,776A
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PRIOR APPLICATION NUMBER: US/10/66,756
PRIOR APPLICATION NUMBER: US/10/66,756
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: US/10/864,761
PRIOR APPLICATION NUMBER: US/10/864,761
PRIOR APPLICATION NUMBER: US/10/864,761
PRIOR APPLICATION NUMBER: US/86/327,898
PRIOR APPLICATION NUMBER: US/86/327,898
PRIOR APPLICATION NUMBER: US/86/327,898
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US/86/327,898
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US/86/327,898
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US/86/327,898
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SOURCE
ORGANISM
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DEFINITION
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Maximum
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Maximum Match 100%
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Perfect score:
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48 bp mRNA linear EST 01-DEC-1995
yv14d11.rl Soares fetal liver spleen 1NFLS Homo sapiens CDNA clone
IMAGE 242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);
          Homo sapiens (human)
                                 EST
                                          H93557.1 GI:1099885
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Match Length DB
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1643
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BF342092
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ACCESSION: CR97R327
ACCESSION: CN752857
ACCESSION: CN752857
ACCESSION: CW020522
ACCESSION: CW020522
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ACCESSION: BF339449
ACCESSION: BF342092
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REFERENCE
AUTHORS
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ORGANISM
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VERSION
KEYWORDS
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T74174/c
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 46)

1. (bases 1 to 46)

Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Chissoe, S., Dietrich, N., Mucaba, T., Lacy, M., Le, M., Le, N., Haltman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL:
IMAGE Consortium (info@image.llnl.gov) for further i
Trace considered overall poor quality
Seq primer: M13RP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M. Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                 T74174

46 bp mRNA linear EST yc60b12.s1 Stratagene liver (#937224) Homo sapiens cDNA IMAGE: 85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Contact: Wilson RK
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                                                                                                                                                                                              Homo sapiens
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                                                                                                                                                                                                                  Homo sapiens (human)
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Location/Qualifiers
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/mol_type="mRNA"
/db_xref="GDB:3791842"
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and Marra, M.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      46
Email: cgapbs-r@mail.nih.gov

Tissue Procurement: David N. Louis, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://imagg.llnl.gov
plate: LLAM9508 row: f column: 01
High quality sequence stop: 38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39 bp 602039103F1 NCI_CGAP_Brn64 Homo 5', mRNA second
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              5', mRNA sequence.
BF339449
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High qality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
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                                                                                                                                                                                                                       Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: est@watson.wustl.edu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /dev_stage="49 years old"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene liver (#937224)"
/note="Organ: liver; Vector: pBluescript SK; Site_1:
EcoRI; Site_2: XhoI; Cloned unidirectionally. Primer:
Oligo dT. Hepatectomy from normal male caucasian. Average insert size: 1.1 kb; Uni-ZAP XR Vector; -5' adaptor sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'
CTCGAGTTTTTTTTTTTTTTTTT 3'"
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/db_xref="GDB:502112"
/db_xref="taxon:9606"
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1 (bases 1 to 39)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tissue Procurement: David N. Louis, M.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium
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602012848P1 NCI CGAP Brn64 Homo sapiens cDNA clone IMAGE:4148962
                                                                                                                                                                                                                                                                                                                                                                                                                         found through the I.M.A.G.E. Consortium/LLNL
http://image.llnl.gov
Plate: LLAM9409 row: o column: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: cgapbs-r@mail.nih.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert Strausberg, Ph.D.
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Clone distribution: MGC clone distribution information can
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                                GTTCTACGCACGCGTCTGCAGAAGTGGCTCAGGCCTGGT 454
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                                                                                                                                           /mol type="mRNA"
/db xref="exxon:9606"
/db xref="taxon:9606"
/clone="IMAGE:4148962"
/tissue type="glioblastoma with EGFR amplification"
/lab host="DH10B (T1 phage-resistant)"
/clone lib="NCI CGAP Brn64"
/note="Organ: brain; Vector: pCMV-SPORT6; Site 1: NotI;
Site 2: Sall; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.57 kb. Constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
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/db_xref="taxon:9606"
/clone="IMAGE:4186752"
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         mxNA sequence.
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Email: est@watson.wustl.edu
Insert Size: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chiasee, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Hawkins, M., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           T71848 40 bp mRNA linear EST yc64e06.sl Stratagene liver (#937224) Homo sapiens cDNA IMAGE:85474 3' similar to gb:X14723 CLUSTERIN PRECURSOR
                                                          H93557

48 bp mRNA linear EST 01-DEC-1995
yv14d11.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone
IMAGE:242709 5' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         High gality sequence starts: 1 High gality sequence stops: 1 Source: IMAGE Consortium, LIMI This clone is available royalty-free through LIMI, contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seq primer: -21m13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8889549
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (human)
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314 286 1810
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           /lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene liver (#937224)"
/note="Organ: liver; Vector: pBluescript SK; Site 1:
EcoRI; Site_2: XhoI; Cloned unidirectionally. Primer:
Oligo dT. Hepatectomy from normal male caucasian. Average
insert size: 1.1 kb; Uni-ZAP XR Vector; ~5' adaptor
sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:502531"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dev_stage="49 years old"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             db_xref="taxon:9606"
clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                          97.5%;
                                                                                                                                                                                                                                                                                                     Score 39; DB 1
Pred. No. 1.2;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                       DB 1;
1.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                        1;
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CDNA clone
JRSOR (HUMAN);,
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KEYWORDS
SOURCE
                                        REFERENCE
AUTHORS
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VERSION
KEYWORDS
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BF339449/c
LOCUS
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ORGANISM
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                                                                                                                                                                                                                                              DEFINITION
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JOURNAL
  TITLE
JOURNAL
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                            627
                                                                                                                                                                                                                                                                                                                                                                      36 - AGGTTTNCCAGCCGGGACACCCAGTTAAACTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 48)
1 (bases 1 to 39)
NIH-MGC http://mgc.nci.nih.gov/
National Institutes of Health, I
Unpublished (1999)
                                                                                                                                                                                                    602039103F1 NCI_CGAP_Brn64
5', mRNA sequence.
BF333449
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
22; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   High quality sequence starts: 1
High quality sequence stops: 1
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL;
IMAGE Consortium (info@image.llnl.gov) for further i
Trace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The WashU-Merck EST Project Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 48).
Hiller, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M.,
Hiller, L., Clark, N., Dubuque, T., Le, M., Lennon, G., Marra, M
Holman, M., Hultman, M., Kucaba, T., Le, M., Lennon, G., Marra, M
Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F.,
Parsonskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
                                                                                                                                                                  BF339449.1 GI:11285904
EST.
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                                                                                Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                 BF339449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seq primer: M13RP1
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                                                                                                                                             Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                              AGGTTCTTCACCCGGGAGCCCCAGGATACCTAC
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /dev stage="20 week-post conception fetus"
//lab host="DH10B (amplcillin resistant)"
//clone lib="Soares fetal liver spleen INFLS"
//clone lib="Soares fetal liver spleen INFLS"
//note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
//note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
//note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
//note="Organ: Liver and Spleen; Vector: Jigo(dT) primer
//note="Organ: Liver and Spleen; Vector: Library
//note="Organ: Library went through one round of normalization. Library
//constructed by Bento Soares and M.Fatima Bonaldo."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:3791842"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    clone="IMAGE:242709"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.0%;
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Pred. No. 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                  39 bp
Homo
                                                                                  Craniata; Vertebrata;
Catarrhini; Hominidae;
                         Mammalian
                                                                                                                                                                                                                                                mRNA
sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 48;
                         Gene Collection (MGC)
                                                                                      Hominidae; Homo.
                                                                                                                                                                                                                                                  linear
NA clone
                                                                                                                                                                                                                                                      EST 22-NOV-2000
IMAGE:4186752
                                                                                                         Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Marra, M.,
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AUTHORS
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BF342092/c
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                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Preparation: Life I.M.A.G.E. Consortium (LLNL)
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                    found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAM9409 row: o column: 11
High quality sequence stop: 37.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5', mRNA sequence.
BF342092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39 bp
602012848F1 NCI_CGAP_Brn64 Homo
5', mPNA garanta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: cgapbs-r@mail.nih.gov
Tissue Procurement: David N. Louis, M.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BF342092.1 GI:11288842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Plate: LLAM9508 row: f column: 01 High quality sequence stop: 38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   found through the I.M.A.G.B. Consortium/LLNL
http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Similarity
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/mol type="mRNA"
/mol type="mRNA"
/db_xref="taxon:9606"
/db_xref="taxon:9606"
/clone="MAGE:4186752"
/tissue_type="glioblastoma with EGFR amplification"
/lab_host="pH10B (Tl phage-resistant)"
/clone_lib="NCI_CGAP_Brn64"
/clone_lib="NCI_CGAP_Brn64"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not.
Site_2: Sall; Cloned unidirectionally. Primer: Oligo and the primer size 1.57 kb. Constructed by Life
Average insert size 1.57 kb. Constructed by Life
/tissue type="gliablastoma with EGFR amplification" /lab_host="NH10B (Tl phage-resistant)" /clone_lib="NCI_CGAP_Brn64" /note="Organ: brain; Vector: pCMV-SPORT6; Site_1: Not1; Site_2: Sall; Cloned unidirectionally. Primer: Oligo dT. Average insert size 1.57 kb. Constructed by Life
                                                                                                                                                  /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:4148962"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Technologies. Note: this is a NCI_CGAP Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 to 39)
                                                                                                                                                                                                                         organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ocation/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chordata; Craniata; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.8; DB 1;
Pred. No. 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  39
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sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EST 22-NOV-2000
IMAGE:4148962
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chiasoe, S., Dietrich, N., DuBuque, T., Favello, A., Gish, W., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Hawkins, M., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Mortis, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R.
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17; Conserv
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Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Generation and analysis of 280,000 human expressed sequence tags Genome Res. 6 (9), 807-828 (1996) 97044478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T74174 46 bp mRNA linear EST 02-MAR-1995 yc60b12.sl Stratagene liver (#937224) Homo sapiens cDNA clone IMAGE:85055 3' similar to gb:X14723 CLUSTERIN PRECURSOR (HUMAN);,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Trace considered overall poor quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ;
IMAGE Consortium (info@image.llnl.gov) for further ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: 314 286 1800
Fax: 314 286 1810
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 46)
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                       Similarity
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Conservative
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                                                                                   Oligo dT. Hepatectomy from normal male caucasian. Average insert size: 1.1 kb; Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTTT 3'"
                                                                                                                                                                      /dev_stage="49 years old"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene liver (#937224)"
/note="Organ: liver; Vector: pBluescript SK; Site_1:
fcoRI; Site_2: XhoI; Cloned unidirectionally, Primer:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Technologies. Note: this is a NCI_CGAP Library."
                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:502112"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                            ocation/Qualifiers
                                                                                                                                                                                                                                                                                        sex="male"
                                                                                                                                                                                                                                                                                                               clone="IMAGE:85055"
                    0.8%;
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                  Score 12.8;
Pred. No. 10;
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Pred. No. 11;
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18;
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                                         Length 46;
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                                                           RESULT 11
    DEFINITION
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CW020522 13 bp
GC0792 TIGEM gene trap library Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: est@watson.wustl.edu
Insert Size: 26
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
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Genome Res. 6 (9), 807-828 (1996)
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                                                                                                                                                                                                                      Similarity
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                                                                                                                       CAGAGCGGGAGAGGCTGGGCGGANTTGGGGGGCCTG 37
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314 286 1810
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                                                                                                                                                                                                                                                                            /dev stage="49 years old"
/dev stage="49 years old"
/lab_host="SOLR cells (kanamycin resistant)"
/clone lib="Stratagene liver (#937224)"
/clone lib="Stratagene liver (#937224)"
/note="Organ: liver; Vector: pBluescript SK; Site 1:
EcoRI; Site_2: XhoI; Cloned unidirectionally. Prīmer:
Oligo dT. Hepatectomy from normal male caucasian. Average
insert size: 1. 1kb; Uni-ZAP XR Vector; -5' adaptor
sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'
CTCGAGTTTTTTTTTTTTTTTT 3'"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              db_xref="taxon:9606"
clone="IMAGE:85474"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  db_xref="GDB:502531"
                                                                                                                                                                                                                    0.8%;
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                                                                                                                                                                                                                  Score 12.6;
Pred. No. 11;
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    mRNA linear GSS 28-SEP-20 musculus cDNA clone m4.E4.D08,
                                                                                                                                                                                                      15;
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                          GSS 28-SEP-2004
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ACCESSION
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Sequence tag generated by 5' RACE of total RNA from gene trap ES

Sequence tag generated by 5' RACE of total RNA from gene trap ES

cell line. ES cell lines harboring insertion mutation of target

gene are available upon request from TIGEM. Annotation information

available from TIGEM
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                                                                                                                                                           1 (bases 1 to 14)

Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H.,

Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs

Unpublished (2003)
                                                                                                                                                                                                                                                                             Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CF278327 14 bp mRN.
14ETL--04-D06.b1 Rice etiolated leaf p.
Oryza sativa (japonica cultivar-group)
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Tel: +390816132205
Fax: +390815790919
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CW020522
              Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                      Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mRNA sequence.
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                                                                                                                                  Contact: Nahm B.H
                                                                                                                                                                                                                                                                                                                                                                                                                            CF278327.1 GI:33655713
Email: bhnahm@ggbio.com,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /cell_type="Embryonic stem cell"
/cell_line="El4"
/clone_lib="TIGEM gene trap library"
/note="Vector: pFLIP1"
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/mol_type="mRNA"
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/clone="m4.E4.D08"
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Pred. No. 14;
bhnahm@bio.myongji.ac.kr
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leaf plasmid cDNA
-group) cDNA clone
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RESULT 13
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                      source
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UMR BiO3P, BP 35327, F-35653 Le Rheu Cedex France Tel: +33.2.23.48.51.65
Fax: +33.2.23.48.51.50
Risk of contamination by bacterial sequences from obligatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (2004)
Contact: D. Tagu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hunter, W., Martinez-Torres, D., Rahbe, Y., Sabater-Munoz, B., Stern, D., Tagu, D. and Wincker, P.
An expressed sequence tags database for the pea aphid Acyrthosiphon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ApHL3LD-VII-F11 ApHL3LD Acyrthosiphon pisum cDNA clone ApHL3LDVIIF11 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Meoptera; Paraneoptera; Hemiptera; Sternorrhyncha; Aphidiformes;
Aphidioidea; Aphididae; Macrosiphini; Acyrthosiphon.
1 (bases 1 to 12)
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Similarity 92.3%;
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/clone lib="ApHL3LD"
/rote="Yector: pDNR-LIB; Site 1: SfiIA; Site 2: SfiIB;
Sample name: ApHL3LD; Plant growth place: INRA-Rennes,
UMR BiO3P, BP 35327, 35653 Le Rheu cedex, France; Soil
conditions: peat; Sowing date: 18/01/2003; Harvesting
date: 03/02/2003; Stress date: no stress; Description:
aphids inoculated on one-week old Vicia faba germinations
under non sterile conditions.; experimental condition:
long photoperiod (16-hr light/8-hr dark at 18 c)"
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with oligoribonucleotides
                                                                                                                                                                                                        /tissue_type="head"
/dev_stage="third instar nymph (L3)"
/lab_host="TOP10"
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                                                                                                                                                                                                                                                                        /db_xref="taxon:7029"
/clone="ApHL3LDVIIF11"
                                                                                                                                                                                                                                                                                                                                           /mol
                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /dev_stage="14 days after germination"
/lab_host="E.coli DH10B"
/clone_lib="Rice etiolated leaf plasmid cDNA library
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/mol_type="mRNA"
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'clone="14ETL--04-D06"
                                                                                                                                                                                                                                                                                                                                                             organism="Acyrthosiphon pisum"
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                                                                                                                                                                                                                                                                                                                                        _type="mRNA"
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Pred. No. 1
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RESULT 15
CW020522
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Best Local Similarity
Watches 9; Conserve
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KEYWORDS
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Best Local
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CN752857.1
EST.
CW020522 13 bp
GC0792 TIGEM gene trap library Mus
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1 (bases 1 to 12)

Hunter, W., Martinez-Torres, D., Rahbe, Y., Sabater-Munoz, B., Stern, D., Tagu, D. and Wincker, P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               UMR BiO3P, BP 35327, F-35653 Le Rheu Cedex France Tel: +33.2.23.48.51.65 Fax: +33.2.23.48.51.50 Risk of contamination by bacterial sequences from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unpublished (2004)
Contact: D. Tagu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      An expressed sequence tags database for the pea aphid Acyrthosiphon
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ilarity 100.0%;
Conservative
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II row: F column: 11
                                                                                                                                                                                                                                              /Glone lib="ApHL3LD"
/note="Vector: pDNR-LIB; Site 1: SfiIA; Site 2: SfiIB;
Sample name: ApHL3LD; Plant growth place: INRA-Rennes,
UMR BiO3P, BP 35327, 35653 Le Rheu cedex, France; Soil
conditions: peat; Sowing date: 18/01/2003; Harvesting
date: 03/02/2003; Stress date: no stress; Description:
aphids inoculated on one-week old Vicia faba germinations
under non sterile conditions.; experimental condition:
long photoperiod (16-hr light/8-hr dark at 18 c)"
                                                                                                                                                                                                                                                                                                                                                                                                      /dev_stage="third instar nymph (L3)"
/lab_host="TOP10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Acyrthosiphon
/mol_type="mRNA"
/cultivar="yr2"
                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone="AphL3LDVIIF11"
/tissue_type="head"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              location/Qualifiers
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Pred. No.
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o. 17;
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14;
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       musculus cDNA clone m4.E4.D08,
                       mRNA
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mRNA sequence

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AUTHORS
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CF278327
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 13) Cobellis,G., Nicolaus,G., Marra,E., Barbarisi,M., Sardiello,M., Di Giorgio,F.P., Iovino,N., Zollo,M., Ballabio,A. and Cortese,R. Tagging genes with cassette-exchange sites unpublished (2004)
                                                                                                                                                                                                                                                                   Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Cyra sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        CF278327

14 bp mRNA linear EST 14-AUG-2003
14ETL--04-D06.b1 Rice etiolated leaf plasmid cDNA library (14ETL)
0772 sativa (japonica cultivar-group) cDNA clone 14ETL--04-D06,
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Tel: +390816132205
Fax: +390815790919
Email: cobellis@tigem.it
Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
Location/Qualifiers
                                                                                                                                                                   1 (bases 1 to 14)

Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Le
Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm, B.H.
Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)
                                                                                                                                                                                                                                                                                                                                                                                                    CF278327.1 GI:33655713
                                                                                                                                                                                                                                                                                                                                                                                                                     mRNA sequence.
CF278327
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'clone="m4.E4.D08"
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Pred. No. :
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Best Local S
Matches 10
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                                                         10;
                                                                       Similarity
                                                          Conservative
                                                                                                               /note="Vector: pcR4-TOPO;
with oligoribonucleotides
RT-pcR."
                                                                                                                                                                                                                                                       /organism="Oryza sativa (japonica cultivar-group)"
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                                                                                                                                                           14ETL)
                                                                      76.98;
                                                                      Score 8.2; D
Pred. No. 18;
                                                            Mismatches
                                                                                      DB
                                                                                                                             Site 1: EcoRI; mRNA was capped and then used as templates for
                                                                                      <u>بر</u>
                                                                                      Length 14;
                                                            Indels
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Search completed: September 13, 2005, 10:53:12 Job time : 0.001 secs

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Result
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Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Match
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268.452 Million cell updates/sec
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  GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gapext 1.0
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       US-09-485-632B-15
US-09-7410-935B-6
US-09-744-403A-6
US-09-794-403A-6
US-09-798-196G-7759
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                                                                                                                                              Sequence 15, Appl
Sequence 6, Appli
Sequence 6, Appli
Sequence 7759, Appli
Sequence 77, Appli
Sequence 43, Appli
Sequence 35, Appl
Sequence 37, Appl
Sequence 37, Appl
                                                                                                                                                                                                                                                                                                    Description
Sequence
                                                                                                                                       Sequence
                                                                                           163, App
57, Appl
103491,
           15, Appl
35606, A
44424, A
                              10, Appl
10, Appl
20, Appl
10, Appl
10, Appl
3015, Appl
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45	44	3	42	41	40	39	38	37	36	35	4	ω ω	32	31	30	29	28
13.6	13.6			13.6			13.6	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
27	27	25	25	25	23	20	20	41	37	37	37	37	30	28	25	25	25
σ	σ	4.	4.	4.	ω	4.	w	4.	4.	N	N	N	4	4.	4	4	4
5463174-1	5463174-1	US-09-396-196G-68315	US-09-396-196G-10990	US-09-396-196G-7746	US-09-489-085A-6	US-09-198-452A-4550	US-09-517-467B-87	US-09-586-216C-4	US-09-374-671A-54	US-08-491-861A-54	US-08-466-793-54	US-08-467-603-54	US-09-586-216C-19	US-09-887-145-35	US-09-396-196G-108268	US-09-396-196G-44427	US-09-396-196G-44426
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. 5463174	5463174	68315, 6	10990, 7	7746, A	6, Appli	4550, A	87, App.	4, Appli	54, App	•	•	•	19, App	35, App.	108268,	44427,	44426,

ALIGNMENTS

RESULT 1
US-09-485-632B-15/c
; Sequence 15, Application
; Patent No. 6605280

US/09485632B

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RESULT 2
US-09-410-935B-6
iy Sequence 6, Application US/09410935B
patent No. 6504083
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Chemically synthesized US-09-485-632B-15
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PRIOR FILING DATE: 1998-08-13
PRIOR PELICATION NUMBER: 125463
PRIOR PELICATION NUMBER: 125463
PRIOR PELICATION NUMBER: 122134
PRIOR PELICATION NUMBER: 122134
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PRIOR PELICATION NUMBER: 122136
PRIOR PELICATION NUMBER: 121869
PRIOR PILING DATE: 1997-09-29
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PRIOR PILING DATE: 1977-08-27
PRIOR PILING DATE: 1997-08-27
PRIOR PILING DATE: 1997-08-14
PRIOR PILING DATE: 1997-08-14
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Best Local S
Matches 19
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APPLICANT: No. 6605280ick, Daniela
APPLICANT: Dinarello, Charles
APPLICANT: Rubinstein, Menachem
APPLICANT: Kim, Soo Hyun
                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 20993-001
CURRENT APPLICATION NUMBER: US/09/485,632B
CURRENT FILING DATE: 2000-10-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Kim, Soo Hyun
TITLE OF INVENTION: Interleukin-18
TITLE OF INVENTION: Use
                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 50
                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                  42
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Pred. No. 80;
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Eric

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APPLICANT: Eid Saad, Wohammed
TITLE OF INVENTION: No. 6504083el Maize Promoters
FILE REFERENCE: 5718-72
CURRENT APPLICATION NUMBER: US/09/410,935B
CURRENT APPLICATION NUMBER: US 60/107,201
PRIOR APPLICATION NUMBER: US 60/107,201
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: US 60/103,294
PRIOR APPLICATION NUMBER: US 60/103,294
PRIOR FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 19
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 32
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Barbour, Eric
APPLICANT: Barbour, Eric
APPLICANT: Buclaire Meyer, Terry
APPLICANT: Eid Saad, Mohammed
TITLE OF INVENTION: No. 6670467el Maize Promo
FILE REFERENCE: 35718/208067
CURRENT APPLICATION NUMBER: US/99/784,403A
CURRENT FILING DATE: 2001-02-15
PRIOR APPLICATION NUMBER: US 60/107,201
PRIOR FILING DATE: 1998-11-05
PRIOR APPLICATION NUMBER: US 60/103,294
PRIOR APPLICATION NUMBER: 05/410,935
PRIOR APPLICATION NUMBER: 09/410,935
PRIOR APPLICATION NUMBER: 09/410,935
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PRIOR TILING DATE: 1999-10-04
PRIOR FILING PATE: 1999-10-04
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                                                                                                                  RESULT 4
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Best Local Similarity
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LENGTH: 32
TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Michael Mittmann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-784-403A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Gene specific primer 1 for Gos-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18;
                                                                                                                                                                                                                                                                                  18;
                                                                                                                                                                                                                   1 CAGCAGCAGAGTCTTCATCAT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CAGCAGCAGAGTCTTCATCAT 21
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                                                                                                                                                                                      CAGCACCAGAGTCCTCAGCAT 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EuClaire Meyer,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                    77.1%;
85.7%;
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85.7%;
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                                                                                                                                                                                                                                                                                                      Score 16.2; DB 4;
Pred. No. 3.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 16.2; DB 4
Pred. No. 3.9e+02
                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                            DB 4; Length 32;
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/07885689A
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APPLICANT: Affymetrix, Inc.
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
PRIOR FILING DATE: 1998-09-17
                                                                                                               INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 25
TYPE: DNA
ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-241-1300
TELEFAX: 703-241-2848
                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/07/885,689A
FILING DATE: 19-MAY-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Park, Young W.
APPLICANT: Han, Kyu B.
APPLICANT: Han, Kyu B.
TITLE OF INVENTION: method for Production of Bovine Growth
TITLE OF INVENTION: Hormone Using a Synthetic Gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: P.O. Box 7
CITY: Falls Church
STATE: Virginia
                                                                                                                                                                                                                 NAME: Svensson, Leonard R.
REGISTRATION NUMBER: 30,330
REFERENCE/DOCKET NUMBER: 377-144P
                                     TOPOLOGY:
                                                     STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Birch, Stewart, Kolash & Birch
STREET: P.O. Box 747
                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16; Conservative
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                                                                        nucleic acid
                                                                                             45 base pairs
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Lee, Tae
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                                     linear
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Tae H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76.2%;
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Pred. No.
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APPLICANT: Messersmith, Elizadeth
APPLICANT: Bard, Frederique
FITTLE OF INVENTION: SCREENING MARKERS AND METHODS FOR NEURODEGENERATIVE DISORDERS
FILE REFERENCE: 015270-009110US
CURRENT APPLICATION NUMBER: US/09/823,549
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: US 60/193,847
PRIOR FILING DATE: 2000-03-30
NUMBER OF SEQ ID NOS: 85
SOFTWARE: Patentin version 3.1
SEQ ID NO 46
LENGTH: 22
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
PRIOR MARTION: IL-12 p40, #1 forward primer
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                                                                                                                                                                                                                                                                                                                                         RESULT 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: IL-12 p40, #1 forward primer
US-09-823-549-46
; OTHER INFORMATION: Antisense Oligonucleotide US-10-007-010-43
                                                                                                                                                                                                                                                            Sequence 43, Application US/10007010 Patent No. 6828151 GENERAL INFORMATION:
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                                                                                                             SEQ ID NO 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: McConlogue, Lisa C
APPLICANT: Games, Kate D.
APPLICANT: Yednock, Theodore A
APPLICANT: Hua, Tan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No.
                                                                                                                                                   CURRENT APPLICATION NUMBER: US/10/007,010 CURRENT FILING DATE: 2001-12-04
                                                                                                                                                                                      APPLICANT: Alexander H. Borchers
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF
FILE REFERENCE: RTS-0345
                                                                                                                               NUMBER OF SEQ ID NOS: 87
                                                  LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 1.45
OTHER INFORMATION:
OTHER INFORMATION:
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION:
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o. 6664442
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1 Similarity 94.1%;
16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ch 72.4%;
1 Similarity 85.0%;
17; Conservative (
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/note= "U7 oligonucleotide portion of synthetic
BGH gene, Figure 1."
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Pred. No. 9.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 15.2; DB 4; Length 22; Pred. No. 1e+03; O; Mismatches 3; Indels
                                                                                                                                                                                                           HCK EXPRESSION
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Query Match

70.5%; Score 14.8; DB

4

Length 20;

RESULT 9 US-08-466-793-35/c

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Sequence 35, Application US/08466793
Patent No. 5891716
GENERAL INFORMATION:
APPLICANT: Morgenstern, Jay P.

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US-08-467-603-35/c
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                                                                                         Query Match
                                                             Matches
                                                                             Best Local Similarity
                                                                                                                                                                                                   TELEFAX: (617) 227-594
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/156,549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII-text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Bizindaukas, Chri
APPLICANT: Brauer, Andrew W.
TITLE OF INVENTION: Allergen
TITLE OF INVENTION: Peptides
TITLE OF INVENTION: Dander a
                                                                                                                                                                                                                                                              NAME: Mandragouras, Amy E.
REGISTATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IM
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                          FILING DATE: 31-Dec-92
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Morgenstern, Jay P. APPLICANT: Kanieczny, Andrzey
                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 60 St
CITY: Boston
                                                                                                                                                      STRANDEDNESS:
TOPOLOGY: lin
                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 07/999,712
                                                                                                                                                                                   TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . ... 1 GCTGCAGAGTTTTCATCA 18
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 24
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                                                             16;
                              2 AGCAGCAGAGTCTTCATC 19
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AGGAGCAGGGTCTTCATC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                               Conservative
                                                                                                                                                      linear
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                                                                                                                                                                        single
                                                                                                                                                                                                                                                  227-5941
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Allergenic Proteins and
Peptides from Dog
                                                                            70.5%; Score 14.8; DB 88.9%; Pred. No. 1.6e+
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                                                                                                                                                                                                                                                                                              36,207
                                                                                                                                                                                                                                                                                                   IMI-026CP(IPC-048CP)
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                                                             0
                                                                Mismatches
                                                                             DB 2;
                                                                                             Length 31;
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                                                                Gaps
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Kanieczny, Andrzey Bizindaukas, Christine B.

Brauer, Andrew W.

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RESULT 10
US-08-491-861A-35/c
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                                                                                                                                                                                                                                                                                                                                    Sequence 35, Application US/08491861A Patent No. 5939283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                              Patent No. 5939283
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/466,793
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/156,549
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 07/999,712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-026CP(IPC-048CP)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-7400
TELEPAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                      APPLICANT: Brauer, Andrew W.
TITLE OF INVENTION: Allergenic Proteins and Peptides from Dog
TITLE OF INVENTION: Dander and Uses Therefor
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSE: LAHIVE & COCKFIELD, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 0.
CITY: Boston
TATE: MA
                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: ASCII-text
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Allergenic Proteins and TITLE OF INVENTION: Peptides from Dog TITLE OF INVENTION: Dander and Uses Therefor
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                     COUNTRY: UZIP: 02109
                                                                STATE:
                                                                                                STREET:
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Similarity 88.9%;
                                                                             Boston
                                                            MA
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                                                                                                  28 State Street
                                                                                                                                                                                                                                                                      Morgenstern, Jay P. Kanieczny, Andrzey
                                          USA
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RESULT 11
US-09-374-671A-35/c
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: INI-026CP(IPC-048CP)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 242-4214
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION UMBER: 07/999,712
FILING DATE: 31-Dec-92
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: cDNA
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APPLICATION NUMBER: US 08/156,549
FILING DATE: 1993-NOV-22
APPLICATION NUMBER: US 07/999,712
FILING DATE: 1992-DEC-31
ATTORNEY/AGENT INFORMATION:
NAME: DIGIOTGIO, Jeanne M.
REGISTRATION NUMBER: 41,710
REFERENCE/DOCKET NUMBER: IMI-026C2CNCPA
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: STRANDEDNESS: BILL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/374,671A
FILING DATE: 16-Aug-1999
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Allergenic Protein and Peptides from Dog
Dander and Uses Therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Morgenstern, Jay P
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                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: ASCII Text
                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 28 S
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
ZIP: 02109
                                                                                                                                                                                                                                                                                                                                                                                                       STATE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Amy E. Mandragouras
STREET: 28 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/09374671A
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Pred. No. 1.6e+03;
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APPLICANT: David Locknar.

APPLICANT: Affymetrix, Inc.

TITLE OF INVENTION: Methods of Genetic Analysis

FILE REFERENCE: 3101.1

CURRENT APPLICATION NUMBER: US/09/396,196G

CURRENT FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: 60/100,678

PRIOR APPLICATION NUMBER: 60/100,678

PRIOR FILING DATE: 1998-09-17

NUMBER OF SEQ ID NOS: 127806

SOFTWARE: FASTESEQ for Windows Version 4.0

SEQ ID NO 10991

LENGTH: 25

TYPE: DNA

ORGANISM: Mus musculus

US-09-396-196G-10991

69.5%; Score 14.6; DB

19640
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 74836
LENGTH: 25
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US-09-396-196G-10991
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US-09-396-196G-74836
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                                                                                                                                                                                                                                                                                       Sequence 74836, Application US/09396196G Patent No. 6821724
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 35:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Match 70.5%;
Local Similarity 88.9%;
les 16; Conservative
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MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                         CAACAGCAGGTTCTTCAACAT 23
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(617) 742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 69.5%;
81.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.6; DB 4;
Pred. No. 1.9e+03;
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Pred. No. 1.
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Matches 17; Conservative
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US-09-396-196G-74836
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US-09-205-860-3
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PRIOR FILING DATE: 1997-07-07
PRIOR APPLICATION NUMBER: 1213/97
PRIOR FILING DATE: 1997-07-28
PRIOR APPLICATION NUMBER: 60/054,039
PRIOR APPLICATION NUMBER: 60/063,694
PRIOR APPLICATION NUMBER: 60/063,694
PRIOR APPLICATION NUMBER: 60/063,694
PRIOR PILING DATE: 1997-10-28
NUMBER OF SEQ ID NOS: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-110-959A-11
                                                                    ; OTHER INFORMATION: PCR Primer US-09-205-860-3
                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Lex M. COWSETT
TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
FILE REFERENCE: RTS-0031
CURRENT APPLICATION NUMBER: US/09/205,860
CURRENT FILING DATE: 1998-12-04
NUMBER OF SEQ ID NOS: 87
SEQ ID NO 3
LENGTH: 20
TYPE: DNA
                                                                                                                                                                                                                                                                                                                           Sequence 3, Appli
Patent No. 598173
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SEQ ID NO 11
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                                Query Match
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APPLICANT: Outtrup, Helle
APPLICANT: Orgensen, Per Lina
APPLICANT: Bjornvad, Mads Eskelund
TITLE OF INVENTION: Alkaline Xyloglucanase
FILE REFERENCE: 5206.200-US
CURRENT APPLICATION NUMBER: US/09/110,959A
CURRENT FILING DATE: 1998-07-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 6268197
Best Local Similarity 84.
                                                                                                        ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      69.5%;
Local Similarity 81.0%;
es 17; Conservation
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67.6%; Score 14.2; DB 2;
84.2%; Pred. No. 2.8e+03;
ative 0; Mismatches 3;
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Pred. No. 1.9e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.6; DB 3 Pred. No. 2.1e+03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
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                                  Length 20;
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Db Qy
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AGAGTCTTCATC AGGATCTTCACC
TC 19

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Minimum DB seq length: 0 Maximum DB seq length: 50
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Maximum Match 100%
Listing first 45 summaries
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Published Applications NA:*

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
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25: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
26: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
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Copyright (c) 1993 - 2005 Compugen Ltd.
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228.072 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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21	21	21	21	21	21	21	Score	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	Query Match	*
23	21	21	21	21	21		Query Match Length DB ID	
18	20	20	18	16	10	9	DB:	
US-10-646-436-66	US-10-828-395-5	US-10-828-394-5	US-10-646-391A-4	US-10-080-794-4	US-09-967-726A-4	US-09-944-326-4	ID	
Sequence 66, Appl	Sequence 5, Appli	Sequence 5, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 4, Appli	Sequence 4, Appli	Description	

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83005, 3, App 3, Appli Appli Appli , Appl	, , , , , , , , , , , , , , , , , , , ,			equence 28, pequence 2368 equence 2368 equence 42, equence 43, equence 67,

ALIGNMENTS

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RESULT 1

US-09-944-326-4
; Sequence 4, Application US/09944326
; Patent No. US20020128220A1
; Patent No. US20020128220A1
; Patent No. US20020128220A1
; Patent No. US20020128220A1
; GENERAL INFORMATION:
    APPLICANT: Rennie, Paul S.
    APPLICANT: Miyake, Hideaki
    APPLICANT: Miyake, Hideaki
    APPLICANT: Nelson, Colleen
; TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY
; FILE REFERENCE: UBC.P-020-2
; CURRENT FILING DATE: 2001-08-30
; FILE REPLICATION NUMBER: 60/121,726
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 69/913,325
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR APPLICATION NUMBER: 09/913,325
; PRIOR FILING DATE: 2001-08-10
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SOFTWARE: Patentin Ver. 2.1
; SOFTWARE: DAMAN
; PRIOR INFORMATION: antisense TRPM-2 ODN
US-09-944-326-4

Query Match
    Dest Local Similarity 100.0%; Pred. No. 3.5;

Matches 21; Conservative 0; Mismatches 0; Gaps
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0,

21

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PRIOR APPLICATION NUMBER: 09/913,325
PRIOR FILING DATE: 2001-08-10
PRIOR FILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 21
TYPE: DNA
ORANISM: HUMAN
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US-09-967-726A-4
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                                                                                     ) OTHER INFORMATION: antisense TRPM-2 ODN US-10-080-794-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Chemo- and Radiation-Sensitization of Cancer by Antisense TITLE OF INVENTION: Oligonuclectides
FILE REFERENCE: UBC.P.022
CURRENT APPLICATION NUMBER: US/09/967,726A
CURRENT FILING DATE: 200-09-28
NUMBER OF SEQ ID NOS: 15
SOPTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 21
TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/10080794 Publication No. US20030166591A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 4, Application US/09967726A Publication No. US20030158130A1
    Matches
                      Best Local Similarity
                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Nelson, Colleen
APPLICANT: Nonia, Brett P.
TITLE OF INVENTION: TRPM-2 ANTISENSE THERAPY USING AN OLIGONUCLEOTIDE
TITLE OF INVENTION: HAVING 2'-O-(2-METHOXY)ETHYL MODIFICATIONS
FILE REFERENCE: UBC.P-020-3
FILE REFERENCE: UBC.P-020-3
CURRENT APPLICATION NUMBER: US/10/080,794
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/121,726
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
PRIOR FILING DATE: 1999-02-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Gleave, Martin
APPLICANT: Rennie, Paul S.
APPLICANT: Miyake, Hideaki
APPLICANT: Nelson, Colleen
APPLICANT: Zellweger, Tobia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Gleave, Martin
                                                                                                                              FEATURE:
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  100.0%; Score 21; DB 16; ilarity 100.0%; Pred. No. 3.5; Conservative 0; Mismatches 0;
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                                          Length 21;
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FILE REFERENCE: UBC.P-033
CURRENT APPLICATION NUMBER: US/10/828,394
CURRENT FILING DATE: 2004-04-19
PRIOR APPLICATION NUMBER: US 60/464,159
PRIOR FILING DATE: 2003-04-18
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 21
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CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn version 3.2
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; ORGANISM: human
US-10-828-394-5
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                                                                          Query Match
Best Local S
Matches 21
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5, Application US/10828394
Publication No. US/20040220131A1
GENERAL INFORMATION:
APPLICANT: Jackson, John
APPLICANT: Burt, Helen
APPLICANT: Springate, Christopher
APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Cancerous Angiogenic Disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Gleave, Martin
APPLICANT: Jansen, Burkh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 21
TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CAGCAGCAGAGTCTTCATCAT 21
                                                                                               Similarity
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                                     CAGCAGCAGAGTCTTCATCAT 21
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                                                                                             100.0%; Score 21; DB 20; 100.0%; Pred. No. 3.5;
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LENGTH: 21
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SEQ ID NO 66
LENGTH: 23
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Best Local Similarity
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                                                                                                                Query Match
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                                                                                                                                                    ORGANISM: human
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CURRENT APPLICATION NUMBER: US/10/828,395
CURRENT FILING DATE: 2004-04-19
                                                                                                                                                                                                                                                                                                                                          CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
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PRIOR FILING DATE: 2003-04-18
PRIOR APPLICATION NUMBER: US 60/464,160
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APPLICANT: Gleave, Martin
TITLE OF INVENTION: Method for Treatment of Angiogenic Disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Jackson, APPLICANT: Burt, F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Trougakos, Ioannis
APPLICANT: Gonos, Efstathios
TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Jansen, Burkhard APPLICANT: Gleave, Martin
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                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
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                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 68
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ORGANISM: human
                                                                                                                                                                                           TYPE: DNA
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Beraldi, Eliana
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                                                                    100.0%; Score 21; ilarity 100.0%; Pred. No. Conservative 0; Mismatch
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CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR FILING DATE: 2002-12-02
PRIOR PRICING DATE: 2002-12-02
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEO ID NOS: 43
                                                                              ; OTHER INFORMATION: RNAi for human clusterin US-10-646-436-9
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SEQ ID NO 28
LENGTH: 21
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 21
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Publication No
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Best Local
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  Matches
                     Query Match
Best Local Similarity
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TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
CURRENT APPLICATION NUMBER: US/10/646,436
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2002-09-03
PRIOR PILING DATE: 2003-05-20
PRIOR FILING DATE: 2003-05-20
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APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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                                                                                                                                                                  TYPE: DNA
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Beraldi, Eliana
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    Conservative
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95.2%; Score 20;
100.0%; Pred. No.
tive 0; Mismatch
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US-10-956-157-236817/c
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US-10-646-391A-43
                  RESULT 12
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Best Local S
Matches 20
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Publication No. US20050118625A1
GENERAL INFORWATION:
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 42
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Best Local
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APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC. P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
CURRENT FILING DATE: 2003-08-21
                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
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PRIOR FILING DATE: 2002-08-21
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APPLICANT: Jansen, Burkh
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TYPE: DNA
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                                                                                                                                                                                                                                                                                               TYPE: RNA ORGANISM: artificial
                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                       LENGTH: 19
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                                                                                                                                                           Conservative
                                                                                                                                                                           100.0%;
                                                                                                                                                                               90.5%; Score 19; DB 18; 100.0%; Pred. No. 31;
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11;
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APPLICANT: Gonos, Estathios

TITLE OF INVENTION: RNA Probes Targeting Cancer-Related Proteins

FILE REFERENCE: UBC.P-030

CURRENT APPLICATION NUMBER: US/10/646,436

CURRENT FILING DATE: 2003-08-21

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/405,193

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR APPLICATION NUMBER: US 60/408,152

PRIOR FILING DATE: 2002-09-03

PRIOR FILING DATE: 2003-05-03

PRIOR FILING DATE: 2003-05-20

NUMBER OF SEQ ID NOS: 68

SOFTWARB: Patentin version 3.2

1 ENGREL: 108
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                                                                                 ; OTHER INFORMATION: RNAi for human clusterin US-10-646-436-67
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LENGTH: 19
TYPE: RNA
ORGANISM: artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local :
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TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR PILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR PILING DATE: 2002-12-02
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR STILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
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                  Query Match
Best Local S
  Matches
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APPLICANT: Gleave
APPLICANT: Signae
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE: OTHER INFORMATION: RNAi fo rhuman clusterin
                                                                                                                                                   TYPE: RNA ORGANISM: artificial
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Beraldi, Eliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Application US/10646436
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                      90.5%; Score 19; 100.0%; Pred. No.
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Pred. No. 31;
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                                             ; FEATURE:
; OTHER INFORMATION: RNA1 for human clusterin
US-10-646-391A-29
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CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/408,152
PRIOR FILING DATE: 2002-09-03
PRIOR APPLICATION NUMBER: US 60/473,387
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEO TO NOSE 6
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Best Local Similarity 73.7%;
Matches 14; Conservative
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 29, Application US/10646391A
Publication No. US20040082534A1
GENERAL INFORMATION:
APPLICANT: Gleave, Martin
                                                                                                                                                                   SOFTWARE: PatentIn version 3.2 SEQ ID NO 29 LENGTH: 21
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Query Match
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                                                                                                                                                                                                                                     APPLICANT: Jansen, Burkhard
TITLE OF INVENTION: Treatment of Melanoma by Reduction in Clusterin Levels
FILE REFERENCE: UBC.P-035
CURRENT APPLICATION NUMBER: US/10/646,391A
CURRENT FILING DATE: 2003-08-21
PRIOR APPLICATION NUMBER: US 60/405,193
PRIOR FILING DATE: 2002-08-21
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR APPLICATION NUMBER: US 60/319,748
PRIOR PILING DATE: 2002-12-02
PRIOR PILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
PRIOR FILING DATE: 2002-09-03
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NUMBER: OF SEQ ID NOS: 43
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TITLE OF INVENTION: RNAI Probes Targeting Cancer-Related Proteins
FILE REFERENCE: UBC.P-030
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ORGANISM: artificial
FEATURE:
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Signaevsky, Maxim
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Job time: 609 secs

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ALIGNMENTS

RESULT 1 CQ786615 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM RESULT 2 CQ786178/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE REFERENCE AUTHORS TITLE JOURNAL 밁 ORIGIN FEATURES Query Match Best Local Similarity Matches 21; Conserv ORGANISM source 1 CAGCAGCAGAGTCTTCATCAT 21 CQ786615 21 bp D Sequence 4 from Patent WO2004018675. CQ786615 CQ786615.1 GI:45721635 Sequence 66 from Patent CQ786178 CQ786178.1 GI:45721281 Homo sapiens (human) Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Treatment of melanoma by reduction in clusterin levels Patent: WO 2004018675A 4 04-MAR-2004; The University of British Columbia (CA); Gleave, Martin Location/Qualifiers Homo sapiens CQ786178 Jansen, B. Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. Homo sapiens (human) CAGCAGCAGAGTCTTCATCAT 100.0%; Silarity 100.0%; E Conservative 0; /organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606" Score 21; DB Pred. No. 49; 23 bp DNA WO2004018676. 21 Mismatches DB DNA 6; Length 21; linear Martin E. PAT 24-MAR-2004 PAT 24-MAR-2004 0 Gaps (CA) 0

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REFERENCE
AUTHORS
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Sequence 28 from Patent WO2004018675.
CQ786639
CQ786639.1 GI:45721659
        Treatment of melanoma by reduction in clusterin levels
Patent: WO 2004018675-A 28 04-MAR-2004;
The University of British Columbia (CA); Gleave, Martin
Location/Qualifiers
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                                                         Jansen, B.
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Patent: WO 2004016676-A 66 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db xref="taxon:35630"
/noTe="RNAi for human clusterin"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 68 from Patent
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                               /mol_type="unassigned RNA"
/db_xref="taxon:32630"
/note="RNAi for human clust
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synthetic construct synthetic construct other sequences; artificial sequences.
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Location/Qualifiers
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Patent: WO 2004018676-A 67 04-MAR-2004;
The University of British Columbia (CA)
Location/Qualifiers
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/db_xref="taxon:32630"
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/db_xref="taxon:32630"
/note="RNAi for human clusterin"
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The University of British Columbia (CA); Gleave, Martii Location/Qualifiers
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                                                                                                      /organism="synthetic construct"
/mal_type="unassigned RNA"
/db xref="taxon:35230"
/noTe="RNAi for human clusterin"
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/mol_type="unassigned RNA"
/mol_type="taxxon:32630"
/noTe="RNAi for human clusterin"
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Location/Qualifiers
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/moEe="RNAi for human clusterin
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Barbour,E., Meyer,T.E.C. and Saad,M.E.
Maize Gos-2 promoters
Patent: US 6504083-A 6 07-JAN-2003;
Location/Qualifiers
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Novick,D., Dinarello,C., Rubinstein,M.
Interleukin-18 binding proteins, their
blocking the activity of IL-18
Patent: US 6605280-A 15 12-AUG-2003;
Location/Qualifiers
                                                                                               Maize promoters
Patent: US 6670467-A 6 30-DEC-2003;
Location/Qualifiers
                                                                                                                                      Unknown.
Unclassified.
1 (bases 1 to 32)
1 sarbour,E., Meyer,T.E.C.
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AR444937
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/mol_type="genomic
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MFG CO LID

OS homo sapiens (human)
PN JP 198700276-A/9
PD 06-JAN-1987
PP 25-JUN-1987
PI TAKIGUCHI HIROSHI, FURUKAWA HIDEHIKO, TANI TOKIO PC
C12N9/66,A61X35/74,A61K37/54,C12N15/00//C07H21/04,(C12N9/66, PC
C(12N15/00,C12R1:19);
CC (C12N15/00,C12R1:19);
CC strandedness: Double;
CC topology: Linear;
CC topology: Linear;
CC anti-sense: No;
CC anti-sense: No;
CC anti-sense: No;
CC *source: tissue_type=pancreas;
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A76301
                                                                                                                                                                           1 (bases 1 to 48)
Takiquchi,H., Furukawa,H. and Tani,T.
PRODUCTION OF PANCREAS ELASTASE
PATENT: JP 1987000276-A 9 06-JAN-1987
SANKYO CO LTD NIPPON SODA CO LTD, NIS
                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                  Homo sapiens (human)
                                                                                                                                                                                                                                                                                           JP 1987000276-A/9.
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E01067.1 GI:2169326
                                                                                                                                                                                                                                                                                                                              DNA sequence coding
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1 (bases 1 to
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Maximum Match 100%
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IA.	₽.	5.				essed prostate message-2; SGP-2; cancer; antisense	Human testosterone-repressed prostate message-2			BP.	ALIGNMENTS	AAF54314	AAA37208	AAC58494	ADH63983	ABK69555	AAZ31857	ABZ77331	AAH79384	ABK49118	ABL61345	AA069972	AAH40683	ADL70404	ADM83066	ACF36396	ACF36395	AAA94223	AAA94224	ABQ80863	ADI29045
						<pre>-2; TRPM-2; clusterin; nse oligonucleotide; ss.</pre>	2 antisense oligo #2.					Aaf54314 Primer #4		Human	Adh63983 Human glu	Kac po	PCR	Nuc	Aan/9384 FlasmOlem			Aag69972 5'sense l	SNP	Α.	Adm83066 Human TRP		u	Murine	Murine	Abdoloso nexaperor	

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Aas15291 Mouse IL- Aaz96146 Polynucle		Adm83080 Control T Aax24790 Interleuk	Ad170445 RNA1 LOF Ad170465 RNA1 for Ad170431 RNA1 for Acf36409 DNA seque		RNAI		Adl70406 Antisense Adl70521 Human clu		Human	Description	

Treating prostatic tumors and renal the testosterone-repressed prostate Claim 3; Page 36; 38pp; English.

cancers by antisense inhibition of messenger-2 gene.

WPI; 2000-533132/48

Gleave M,

Rennie PS,

Miyake H,

Nelson

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The present sequence is an antisense oligonucleotide directed at the human testosterone-repressed prostate message-2 (TRPM-2, also known as clusterin, sulfated glycoprotein-2 or SGP-2). The sequence was shown to promote the regression of tumours, and oligonucleotides directed at human TRPM-2 can be used in the treatment of tumour cells expressing the TRPM-2 gene. These include prostate cancer, renal cell cancer and some breast cancer cells. In addition to this, they also increase the chemosensitivity of the cells, meaning that conventional chemotherapy is

effective

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RESULT 2
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                                                                                                                                                                                                                                                                                         The invention relates to a compound consisting of an oligonucleotide with CC a phosphorothioate backbone throughout, in which: (a) sugars on CC nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the CC remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at CC positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence CC ACF36398 (I) is used: (a) to delay progression of androgen-sensitive CC prostatic cancer cells to the androgen-independent state, in vivo or in CC vitro; (b) to treat prostatic cancer (after initially withdrawing CC androgens to induce apoptosis); and (c) to increase sensitivity of cancer CC cells (prostatic, renal, non-small cell lung, urothelial transitional, CC cvarian and some breast cancer cells) that express abnormal levels of CC TRPM-2 to chemotherapy or radiation. The modifications present in (I) CC increase stability in vivo and activity (both in vivo or in vitro) and CC chemotherapeutic agents or other antisense oligonucleotides directed against other antisense oligonucleotides directed CC chemotherapeutic agents or other antisense oligonucleotides directed against other antisense oligonucleotides directed
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                                                                                                                                                                                                                      against other antiapoptotic genes. The present sequence represents specific example of an anti-apoptotic protein TRPM-2 (testosterone-repressed prostate message-2) antisense oligonucleotide
                                                                                                                                                                        Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; Page 25; 44pp; English.
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e cancer; anti-apoptotic protein; antisense; ss.
                                                                                       Similarity
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                                                                                                                                                                                                                                                              The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is human testosterone-repressed prostate message-2 (TRPM-2) antisense oligodeoxyribonucleotide (ODN).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; SEQ ID NO 4; 14pp; English.
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) MIYAKE H.
) NELSON C.
) ZELLWEGER T.
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                                                                                                     Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense gene therapy; human;
                                                                                                                                                           DB 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zellweger
                                                                                                     <u>,,</u>
                                                                                                                                                        Length 21;
                                                                                                     Indels
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                                                                                                     Gaps
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RESULT 4
ADL70406
ADL70406
ADL70406
ADL70406
ADL70ADL7
AXC ADL77
A
The antiense oligonucleotides are complementary to a region of the clusterin mRNA spanning either the translation initiation site or the termination site. They may be modified to increase stability in vivo, e.g. they may be employed as phosphorothioate derivatives and may have 2', -0-(2-methoxyethyl) (MOE) modifications in the 5' and 3' 'wings'. The present antisense oligonucleotide is particularly preferred. It is targeted to the translation initiation codon and next 6 codons of the human clusterin sequence. It has a phosphorothioate backbone throughout and MOE wings, the remaining nucleotides being 2'-deoxymucleotides. In an example from the invention, this antisense oligonucleotide provided a dose-dependent down-regulation of clusterin in human melanoma cells, leading to an increase in apoptotic cell death. In one melanoma cell line (60'B) this alone was sufficient to lead to complete cell death. In another melanoma cell line, the surviving cells showed increased
                                                                                                                                                                                                                                                                                                                                                                                                           human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is that of an antisense oligonucleotide targeted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   subject a
clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating melanoma in a mammalian subject comprises administering to t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-226851/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Jansen B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense oligonucleotide to human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 4; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   in the melanoma cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2003WO-CA001276
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             note=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               base= OTHER
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e= "OTHER= 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                base= OTHER
== "OTHER= phosphorothioate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "OTHER= 2'O-methoxyethyl modifications
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      modifications"
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    RESULT 5
ADL70521/c
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Best Local S
Matches 21
ADL70523. It was used in an example from the invention to demonstrate clusterin gene silencing in PC-3 prostate cancer cells. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to b critical for neuritic toxicity in mouse models of Alzheimer's disease. sinnas of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer anapplastic large cell lymphoma and melanoma, and also for the treatment
                                                                                                                                                                                                                                                                                                                                 Jansen B,
Gonos ES;
                                                                                                                                                                                                                                                                                                                                                                                                       21-AUG-2002;
03-SEP-2002;
20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sensitivity to subsequent treatment with cisplatin. A claimed method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 6
                                                                                                                                                                                                                                           New RNA molecule less than 49 bases and having a mediate degradation or block translation of mRNA transcriptional product of a target gene, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RNA interference; RNA; short interfering RNA; siRNA; human; clucytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of apoptosis.
                                                                                                                                                                                                                                                                                                      WPI; 2004-226852/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human clusterin target for RNAi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    inhibition is significant because bcl-xL is known
                                                                                                                                                                                                     Example 6; SEQ ID NO
                                                                                                                                                                                                                                  disease or
                                                                                                                                                          stranded short
                                                                                                                                                                      The present sequence is
                                                                                                                                                                                                                                                                                                                                                                          (UYBR-) UNIV
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                                                                                                                                                                                                                                  cancer.
                                                                                                                                                                                                                                                                                                                                                 Gleave
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                                                                                                                                                                                                                                                                                                                                                                            BRITISH
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2002US-0408152P.
2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2003WO-CA001277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                         nence is a human clusterin cDNA target for a double-interfering RNA (siRNA) of the invention ADL70522-
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                                                                                                                                                                                                                                                                                                                                                                             COLUMBIA.
                                                                                                                                                                                                                                                                                                                                                Signaevsky
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 T; 0 U;
                                                                                                                                                                                                     English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
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                                                                                                                                                                                                                                                                                                                                                   Beraldi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8.2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 21;
                                                                                                                                                                                                                                                                 that is the
                                                                                                                                                                                                                                                                             sequence effective to
                                                                                                                                                                                                                                                for treating Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                   Trougakos
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RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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ovarian cancer

shown to be

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RESULT 6
ADL70464/5
ID ADL70464;
XX
AC ADL70464;
XX
AC ADL70464;
XX
DT 20-MAY-2004 (first entry)
XX
DE RNAi for human clusterin.
XX
RNA interference; RNAi; short cytostatic; neuroprotective; xw
ss.
XX
CS Homo sapiens.
OS Homo sapiens.
Synthetic.
XX
OS Homo sapiens.
XX
OS Homo sapiens.
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CS Youthetic.
XX
CO 4-MAR-2004.
XX
CO 4-MAR-2004.
XX
C1-AUG-2002; 2002US-0405193P
XX
C1-AUG-2003; 2003WO-CA001277
XX
Z1-AUG-2003; 2003WO-CA001277
X
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Best Loc
Matches
                     The present sequence is the sense strand of a short interfering RNA (siRNA) targeted to human clusterin. The antisense strand is also provided ADL70465. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and
                                                                                                                                                                                                                                                                                                                                                                                                                         New RNA molecule less than 49 bases and having a mediate degradation or block translation of mRNA transcriptional product of a target gene, useful disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-AUG-2002; 2002US-0405193P.
03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA interference; RNAi; short interfering RNA; siRNA; human; clusterin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   С
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
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llarity 100.0%;
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                                                                    treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                             Treating melanoma in a mammalian subject comprises administering to subject a therapeutic agent effective to reduce the effective amount clusterin in the melanoma cells.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                 is down-regulated when the effective amount inhibition is significant because bcl-xL is of apoptosis.
                                                                                                                                                                                                                                                                                                  The present sequence is that of a short interfering targeted to human clusterin ADL70403. The invention
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Pred. No.
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          The present sequence is the sense strand of a short interfering RNA CC (siRNA) targeted to a specific portion ADL70523 of human clusterin cDNA. CC The antisense strand is also provided ADL70523. The siRNA can be used to conterfere with the expression of clusterin. Clusterin, also known as CC testosterone-repressed prostate message-2 (TRPM-2) or sulfated CC glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate CC tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. CC siRNAs of the invention can be used alone or in combination with other CC chemotherapy or apoptosis inducing treatments for the treatment of CC prostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, CC anaplastic large cell lymphoma and melanoma, and also for the treatment CC anaplastic large cell lymphoma and melanoma, and also for the treatment CC siRNA was used to examine the effects of clusterin gene silencing in PC-3 grostate cancer cells. A reduction in clusterin transcript was observed.
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Matches 20
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03-SEP-2002;
20-MAY-2003;
                                                                                                                                                                                                                                                                   Claim 4;
                                                                                                                                                                                                                                                                                               mediate degradation or block transcriptional product of a disease or cancer.
                                                                                                                                                                                                                                                                                                             New RNA molecule less than 49 bases and having a mediate degradation or block translation of mRNA transcriptional product of a target gene, useful
                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                        Jansen B,
Gonos ES;
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                                                                                                                                                                                                                                                                   SEQ ID NO 67; 63pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               neuroprotective; nootropic;
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2002US-0408152P.
2003US-0472387P.
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note= "OTHER= dTdT"
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                                                                                                                                                                                                                                                                                                                                                                                                                      ME
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                                                                                                                                                                                                                                                                                                              sequence effective to
that is the
for treating Alzheimer's
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RESULT 9
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The present sequence is the antisense strand of a short interfering RNA CC (siRNA) targeted to a specific portion ADL70521 of human clusterin cDNA. CC The sense strand is also provided ADL70522. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as CC interfere with the expression of clusterin (Tusterin, also known as CC tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. CC siRNAs of the invention can be used alone or in combination with other CC chemotherapy or apoptosis inducing treatments for the treatment of Drostate cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, C anaplastic large cell lymphoma and melanoma, and also for the treatment C cinum the invention of a cancer is not the colon cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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Best Local
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03-SEP-2002; 2002US-0408152P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RNA interference; RNA; short interfering RNA; siRNA; human; clusterin; cytostatic; neuroprotective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RNAi for human clusterin.
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                                                                                                                                                                                                                                        New RNA molecule less than 49 bases and having a sequence effective to mediate degradation or block translation of mRNA that is the transcriptional product of a target gene, useful for treating Alzheimer's disease or cancer.
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                                                                                                                                                                                                                Claim 4; SEQ ID NO 68; 63pp;
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Pred. No.
                                                                                                                                                                                                                English
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examine

the effects of clusterin

gene

silencing

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RESULT 10
ADL70444/c
ID ADL70444;
XX
ADL70444;
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ADL70444;
XX
ADL70444;
XX
DT 20-MAY-2004 (first entry)
XX
DE RNAi for human clusterin.
XX
Human; clustering RNAi; melar
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Homo sapiens.
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Homo sapiens.
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Homo sapiens.
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Best Local 9
                                                          The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor of apoptosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Treating melanoma in a mammalian subject subject a therapeutic agent effective to clusterin in the melanoma cells.
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03-SEP-2002; 2002US-0408123P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                  NO 42; 32pp; English.
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Pred. No.
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Other

Query Match Best Local Similarity

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RESULT 11
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Best Local
                               The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL770403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL7044 targeted to clusterin The siRNAs molecules direct cleavage of clusterin mana. A method for regulating expression of bcl-xL in a subject or cell line comprises administering an agent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such inhibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                Treating melanoma in a mammalian subject subject a therapeutic agent effective to clusterin in the melanoma cells.
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03-SEP-2002; 2002US-0408152P.
02-DEC-2002; 2002US-0319748P.
20-MAY-2003; 2003US-0472387P.
                                                                                                                                                                                           Claim 20;
                                                                                                                                                                                                                                                                                             Jansen
                                                                                                                                                                                                                                                                                                                     (UYBR-)
(GLEA/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
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                                                                                                                                                                                          SEQ ID NO 43;
ВP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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/note= "OTHER= T'
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                                                                                                                                                                                                                                                                                                                                  COLUMBIA
                                                                                                                                                                                         32pp; English.
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%; Pred. No. 64;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 64;
                                                                                                                                                                                                                              comprises administering to the reduce the effective amount of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       12;
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03-SEP-2002;
20-MAY-2003;
                                                                                                                     The present sequence is the antisense strand of a short interfering RNA (siRNA) targeted to human clusterin. The sense strand is also provided ADL70464. The siRNA can be used to interfere with the expression of clusterin. Clusterin, also known as testosterone-repressed prostate message-2 (TRPM-2) or sulfated glycoprotein-2 (SGP-2), is expressed in increased amounts by prostate tumour cells following androgen withdrawal, and has also been shown to be critical for neuritic toxicity in mouse models of Alzheimer's disease. siRNAs of the invention can be used alone or in combination with other chemotherapy or apoptosis inducing treatments for the treatment of prostate cancer, sarcomas such as osteosarcoma, renal cell carcinoma, breast cancer, bladder cancer, lung cancer, colon cancer, ovarian cancer, anaplastic large cell lymphoma and melanoma, and also for the treatment of Alzheimer's disease.
                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New RNA molecule less than 49 bases and having a mediate degradation or block translation of mRNA transcriptional product of a target gene, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-226852/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Jansen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-AUG-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RNA interference;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RNAi for human clusterin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL70465 standard; RNA; 21 BP
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                      Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 10; 63pp; English
                                                                                    21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gleave ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                    BP; 5
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2002US-0408152P.
2003US-0472387P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RNAi; short interfering RNA; siRNA; human; clusterin; protective; nootropic; gene silencing; DNA-RNA hybrid;
                                                                                    A; 5 C; 4 G; 2 T; 5 U; 0 Other;
                      90.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COLUMBIA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  D)
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  <u>ت</u>
                      Score 19;
Pred. No.
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    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beraldi E,
                        DB 12;
65;
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                                            Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence effective to
that is the
for treating Alzheimer's
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RESULT 13
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03-SEP-2002;
02-DEC-2002;
20-MAY-2003;
                                  The present sequence is that of a short interfering RNA (siRNA) molecule targeted to human clusterin ADL70403. The invention relates to the treatment of melanoma through reduction in the effective amount of clusterin. The therapeutic agent may be an antisense oligonucleotide ADL70404-ADL70421 or short interfering RNA (siRNA) ADL70422-ADL70445 targeted to clusterin. The siRNAs molecules direct cleavage of clusterin mRNA. A method for regulating expression of bcl-xL in a subject or cell line comprises administering angent effective to modulate the amount of clusterin expression. In clusterin-expressing cells, expression of bcl-xL is down-regulated when the effective amount of clusterin is reduced. Such is hibition is significant because bcl-xL is known to act as an inhibitor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      04-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; clusterin; short interfering
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNAi for human clusterin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL70431;
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Sequence 21
                                                                                                                                                                                                   Claim 20; SEQ ID NO 29; 32pp; English.
                                                                                                                                                                                                                             clusterin in the melanoma cells.
                                                                                                                                                                                                                                        Treating melanoma in a mammalian subject comprises administering to the subject a therapeutic agent effective to reduce the effective amount of
                                                                                                                                                                                                                                                                                WPI; 2004-226851/21.
                                                                                                                                                                                                                                                                                                           Jansen
                                                                                                                                                                                                                                                                                                                                                                                                                                            21-AUG-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                modified_base
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                           of apoptosis.
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GCAGCAGAGUCUUCAUCAU 19
                                                                                                                                                                                                                                                                                                                                                                           ; 2002US-0405193P.
; 2002US-0408152P.
; 2002US-0319748P.
; 2003US-0472387P.
 BP; 5 A; 5 C; 4 G; 2 T;
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                                                                                                                           ADM83080
                                                                                                                                                           RESULT 15
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACF36398 (I) is used: (a) to delay progression of androgen-sensitive prostatic cancer cells to the androgen-independent state, in vivo or in vitro; (b) to treat prostatic cancer (after initially withdrawing androgens to induce apoptosis); and (c) to increase sensitivity of cancer cells (prostatic, renal, non-small cell lung, urothelial transitional, ovarian and some breast cancer cells that express abhormal levels of TRPM-2 to chemotherapy or radiation. The modifications present in (I) increase stability in vivo and activity (both in vivo or in vitro) and result in a synergistic increase in effect when (I) is used with chemotherapeutic agents or other antisense oligonucleotides directed against other antiapoptotic genes. The present sequence represents a mismatch control oigonucleotide, used in antisense assays of anti-
                                      ADM83080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a compound consisting of an oligonucleotide with a phosphorothicate backbone throughout, in which: (a) sugars on nucleotide residues 1-4 and 18-21 are 2'-O-methoxyethyl modified, and the remaining nucleotides 5-17 are 2'-deoxy; and (b) the cytosines at positions 1, 4 and 19 are 5-methylated. Oligonucleotide shown in sequence ACF36398 (I) is used: (a) to delay progression of androgen-sensitive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New modified antisense oligonucleotide, useful particularly for treating prostatic cancer, inhibits the testosterone-repressed prostate message-2
                                                                                                 ADM83080 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   apoptotic protein TRPM-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 13; Page 20; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gleave M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-FEB-2002; 2002US-00080794.
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19; Conserv
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e cancer; anti-apoptotic protein; antisense; ss.
                                                                                                                                                                                                                                                                                                                   CAGCAGCAGAGTCTTCATCAT 21
                                                                                                                                                                                                                                                         CAGCAGCAGAGTATTTATCAT
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                                                                                             DNA;
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Pred. No. 2
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                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                    The present invention provides a method for treating cancer in which cancer cells express testosterone-repressed prostate message-2 (TRPM-2). The invention is useful for enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells for treating cancer such as prostate cancer, bladder cancer, ovarian cancer, lung cancer and renal cell carcinoma (RCC). The invention is also useful in antisense gene therapy. The present sequence is control testosterone-repressed prostate message-2 (TRPM-2) mismath oligonucleotide. The oligonucleotide is used in the
                                                                                                                                                                                      Sequence 21 BP; 7 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Enhancing the chemo-sensitivity or radiation-sensitivity of cancer cells that expresses testosterone-repressed prostate message-2 (TRPM-2) comprises administering a composition that inhibits expression of TRPM-2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure;
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(NELS/)
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28-SEP-2000; 2000US-0236301P.
10-AUG-2001; 2001US-00913325.
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                                                                                                                                                                                                                                  exemplification of the invention.
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90.5%;
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264.073 Million cell updates/sec
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T74174 YC60D12.81 AZ772648 1M0583N12	H92446 yt89b09.ri	CA964065 CCLL02a07		TIZJULB			. 0	_		_			AU104442 AU104442		-	mps/bus.	LMO435NT		

ALIGNMENTS

REFERENCE AUTHORS ACCESSION VERSION KEYWORDS SOURCE ORGANISM RESULT 1 AA916352 LOCUS COMMENT DEFINITION FEATURES TITLE JOURNAL source Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 46) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap. National Cancer Institute, Cancer Genome Anatomy Project (CGAP), High quality sequence stop: 1 Location/Qualifiers Emmert-Buck, M.D., Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. CDNA Sequencing by: Washington University Genome Sequencing Center DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-GAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html Email: cgapbs-r@mail.nih.gov Tissue Procurement: Christopher Moskaluk, M.D., Tumor Gene Index Unpublished (1997) Homo sapiens (human) oh80ell.sl NCI CGAP Co8 Homo similar to TR: Q15347 Q15347 R AA916352 Contact: Robert Strausberg, Ph.D. Homo sapiens AA916352.1 GI:3055744 AA916352 Trace considered overall poor quality primer: -40ml3 fwd. organism="Homo sapiens" ET from Amersham 46 RAGA. bp mRNA linear EST 14-APR-1998 sapiens cDNA clone IMAGE:1473356 3' [1] ;, mRNA sequence. Ph.D., Euteleostomi; Michael Z

/clone lib="NCI CGAP CO8"
/note="Organ: colon; Vector: pT7T3D-Pac (Pharmacia) with a /note="Organ: colon; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; 1st strand cDNA was prepared from colon adenocarcinoma, and was then primed with a Not I colon adenocarcinoma, and was then primed with a Not I coloned oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3

Library is normalized. Library was

constructed

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/tissue_type="adenocarcinoma" /lab_host="DH10B"

/mol_type="mRNA" /db_xref="taxon:9606" /clone="IMAGE:1473356"

05-AUG-2002

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   l Similarity
17; Conserv
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This clone is available royalty-free through LLNL; contact the

IMAGE Consortium (info@image.llnl.gov) for further information.

Trace considered overall poor quality

Insert Length: 596 Std Error: 0.00
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44 bp mRNA linear EST 25-NOV-19 zc64e08.rl Soares fetal heart NbHH19W Homo sapiens cDNA clone IMAGE.327110 5' similar to gb:X15183_cds1 HEAT SHOCK PROTEIN HSP 90-ALPHA (HUMAN);, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seq primer: mob.REGA+ET High quality sequence st
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Wilson RK
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Mammalia; Eutheria; Primates;
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/mol_type="mRNA"
/db_xref="GDB:1261312"
                                                                                                                                                                                                                                                                                                                                                                               clone="IMAGE:327110"
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                                                                                                                                                                                                                                                                                3 GCAGCAGAGTCTTC 16
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                Arabidopsis thaliana (thale cress) Arabidopsis thaliana
                                                                                                                      CC794149 10.30.25.x Arabidopsis thaliana TDNA insertion Arabidopsis thaliana genomic clone SALK_043910.30.25.x,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
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Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R.,
Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., P
Shinn,P., Zimmerman,J. and Ecker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the
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GSS.
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SALK_087727 Arabidopsis thaliana TDNA insertion lines Arabidopsis
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ecker@salk.edu
                                                                                                                                                                                                                                                                                                                                                                                                            elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /ecotype="Col-0"
/db xref="taxon:3702"
/db xref="taxon:3702"
/clone="SALK 087727"
/clone lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mol_type="genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           organism="Arabidopsis thaliana"
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                                                                        GI:32389372
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Prednis, L.,

GSS 01-JUL-2003

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Gaps

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REFERENCE
AUTHORS
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SOURCE
ORGANISM
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CG869035/c
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Best Local S
Matches 16
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                       source
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CG869035
CG869035.1 GI:38532715
GSS.
Mus musculus (house mouse)
Mus musculus
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Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
10010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                          Wellcome Trust Sanger Institute Email: info.genetrap@sanger.ac.uk
Sequence tag generated by 5' RACE of total RNA from gene trap ES cell line. ES cell lines harboring insertion mutation of target gene are available upon request from Sanger Institute Gene Trap Resource. Annotation information available from Resource. Annotation information available from http://www.sanger.ac.uk/PostGenomics/genetrap/
                                                                                                                                                                                                                                                                                        Sanger Intitute Gene Trap Resource - SIGTR.
http://www.sanger.ac.uk/PostGenomics/genetrap/
Unpublished (2003)
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Unpublished (2001)
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A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                   Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
1 (bases 1 to 50)
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                                                                                                                                                                                                                                                                      Contact: Sanger Institute Gene Trap Resource -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AB0164 Sanger Institute Gene
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/clone="SALK 043910.30.25.x"
/clone="SALK 043910.30.25.x"
/clone="b="Arabidopsis thaliana TDNA insertion lines"
/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/clone="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence at
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
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/ecotype="Col-0"
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/mol type="genomic DNA"
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organism="Mus musculus"
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Pred. No. 1.5e+05;
0; Mismatches 4;
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Library pGT01xr Mus musculus
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AZ802584
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Matches :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AZ802584 21 bp DNA linear GSS 16-FEB-200 2M0061I05R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0061I05 R, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Class: plasmid ends
High quality sequence stop: 21.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Erro
Plate: 0061 row: I column: 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: 801 585 5606
Fax: 801 585 7177
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Seg primer: CACACAGGAAACAGCTATGACC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mouse whole genome scaffolding with paired end reads from 10kb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   USA
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-sected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                                                                                                                                                                                                                         /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"/clone lib="Mouse 10kb plasmid UUGCIM library"/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Biomedical Polymers Research Bldg., 20
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/db_xref="taxon:10090"
/sex="Male"
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                                                                                                                                                                                                                                                                                                                                                                                                     /mol_type="genomic DNA"
/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                         'sex="Male"
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93.3%;
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Pred. No. 1.8e+05;
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RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             source
19
                                                                                       16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Arabidopsis Genome
Unpublished (2001)
Contact: Joseph R. Ecker
Salk Institute Genomic Analysis Laboratory (SIGnAL)
The Salk Institute for Biological Studies
101010 N. Torrey Pines Road, La Jolla, CA 92037, USA
Tel: 858 453 4100 x1752
Fax: 858 558 6379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 41)
Alonso,J.M., Leisse,T.J., Barajas,P., Chen,H., Cheuk,R.,
Gadrinab,C., Jeske,A., Karnes,M., Kim,C.J., Parker,H., Prednis,L.,
Shinn,P., Zimmerman,J. and Ecker,J.R.
A Sequence-Indexed Library of Insertion Mutations in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BH908888 41 bp DNA linear GSS SALK 051042.25.80.x Arabidopsis thaliana TDNA insertion Arabidopsis thaliana genomic clone SALK 051042.25.80.x,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16;
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Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This is single pass sequence recovered from the left border of TDNA. This sequence lies within an annotated exon of At5g58140.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: ecker@salk.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BH908888.1 GI:22721821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          survey sequence.
                              CAGCAGCAGAGTCTTCATCAT
CAGCAGGGGATTCTTTACCAT
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                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TDNA tagged
                                                                                                                                                                                          /clone="SALK_051042.25.80.x"
/clone_lib="Arabidopsis thaliana TDNA insertion lines"
/note="PCR was performed on Arabidopsis thaliana lines
each of which contains one or more TDNA insertion
elements. The resultant fragment for each line was
directly sequenced to determine the genomic sequence
the site of insertion. Details of the protocols used can
be found at http://signal.salk.edu/tdna_protocols.html"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="genomic DN/
/ecotype="Col-0"
/db_xref="taxon:3702"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  location/Qualifiers
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                                                                                                       61.9%;
76.2%;
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Pred. No. 2.5e
0; Mismatches
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                                                                                                         Score 13; DB 8;
Pred. No. 2.7e+05;
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SOURCE

ORGANISM

Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Arabidopsis thaliana
Eukaryota, Viridiplantae; Streptophyta; Embryophyta
Spermatophyta; Magnoliophyta; eudicotyledons; core

Embryophyta; Tracheophyta;

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REFERENCE
AUTHORS
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                                               genomic survey
AL948370
                                                                                              AL948370 48 bp DNA linear GSS 02-APR Arabidopsis thaliana T-DNA flanking sequence GK-311H09-015792,
                                                                                                                                                                                                                                                                                         1 CAGCAGCAGAGTCTTCATCAT 21
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Seq primer: -40m13 fwd. ET from Amersham
High quality sequence stop: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D.,
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
1 (bases 1 to 43)
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43 bp mRNA linear EST 17-JUN-199
0048504.81 NCI CGAP Lu5 Homo sapiens cDNA clone IMAGE:1569391 3'
0048504.81 NCI CGAP Lu5 Homo sapiens cDNA clone IMAGE:1569391 3'
0048504.81 NCI CGAP Lu5 Homo sapiens cDNA clone IMAGE:1569391 3'
0048504.81 NCI CGAP Lu5 Homo sapiens cDNA clone IMAGE:1569391 3'
0048504.81 NCI CGAP Lu5 Homo sapiens cDNA clone IMAGE:1569391 3'
GSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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AA973632
                        AL948370.1 GI:24404992
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                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone_lib="NCI_CGAP_Lu5"
/note="Organ; lung; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; 1st strand cDNA was prepared from meuroendocrine lung carcinoid, and was then primed with a Not I - oligo(dT) primer. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library is normalized. Library was
                                                                                                                                                                                                                                                                                                                                                                                                                                                           pT7T3 vector. Library is no constructed by Bento Soares
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                               61.9%;
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Pred. No. 2.8e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                and M. Fatima Bonaldo.
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                                                                                                                                                                                                                 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (31MAR-2004) Weisshaar B., Max-Planck-Institut fuer zuechtungsforschung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany This sequence has been recovered from the left border of the T-DNA. It indicates an insertion close to or within gene Ac1934110. It indicates an insertion close to or within gene Ac1934110. Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project. GABI-Kat is part of the German Plant Genomics program designated (GABI-Kat Information on line availability can be found at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              High-throughput generation of sequence indexes from T-DNA mutagenized Arabidopsis thaliana lines BioTechniques 35 (6), 1164-1168 (2003)
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                                                                                                                                                                                                                                       1 CAGCAGCAGAGTCTTCATCAT 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    http://www.mpiz-koeln.mpg.de/GABI-Kat/.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bioinformatics 19 (11), 1441-1442 (2003)
                                                        AU107924 50 AU107924 Sugano Homo sapiens HRC02185, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Strizhov,N., Rosso,M.G., Li,Y. and Weisshaar,B. Direct Submission
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Plant Mol. Biol. 53
23117147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   flanking sequence tag-based reverse genetics Plant Mol. Biol. 53 (1-2), 247-259 (2003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Weisshaar,B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Strizhov, N., Li, Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
Homo sapiens (human)
                                      AU107924.1 GI:13557446
                                                                                                                                                                                                                                                                                                                Similarity
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                                                                                                                                                                                                                                                                                                                                                                                    /note="PCR was performed on DNA from Arabidopsis thaliana plants (T1) which were transformed with the T-DNA from vector pAC161 (GenBank accession number: AJ537514). The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
/ecotype="Col-0"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /db_xref="taxon:3702"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Arabidopsis thaliana"
/mol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          strain="Columbia 0"
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                                                                                                                                                                                                                                                                                                              Score 13; DB 9; 1
Pred. No. 2.8e+05;
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1 (bases 1 to 50)
1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J.,
Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
21270072
                                                                                                                                                                                                                                                                                                                                                                     1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J.,
Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., (
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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AU107925 Sugano Homo sapiens
HSI06916, mRNA sequence.
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Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
                                                                                                                          Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200
                                                                                                                                                                                                                         Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jaj
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A.
Sugano,S. Construction and characterization of a full
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                        (1997)
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="HRC02185"
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/organism="Homo sapiens"
/mol_type="mRNA"
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Okubo,K.,
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Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., (Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S. Diverse transcriptional initiation revealed by fine, 1 mapping of mRNA start sites

EMBO Rep. 2 (5), 388-393 (2001)
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                                                   AU107929 Sugano Homo sapiens
ZRV62402, mRNA sequence.
AU107929
AU107929 GI:13557451
                                                                                                                                                                                                                                                                                                                                                                                                   Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama of a full
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2),
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
             Homo sapiens
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                          Homo sapiens (human)
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/clone_lib="Sugano Homo sapiens cDNA library"
                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
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/clone="ZRV62348"
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87.5%;
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Pred. No. 3.5e
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                                                                                                                                                                                                                                            thaliana
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High-throughput generation of sequence indexes mutagenized Arabidopsis thaliana lines BioTechniques 35 (6), 1164-1168 (2003)
                                                                                                                                                                                                              An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) flanking sequence tag-based reverse genetics plant Mol. Biol. 53 (1-2), 247-259 (2003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Arabidopsis thaliana
Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A.
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama, Eull
Sugano,S. Construction and characterization of a full
length-enriched and a 5'-end-enriched cDNA library. Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J.,
Hata,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K.,
Sakaki,Y., Nakamura,Y., Suyama,A. and Sugano,S.
Diverse transcriptional initiation revealed by fine, large-scale
mapping of mRNA start sites
EMBO.Rep. 2 (5), 388-393 (2001)
                                                                                                                                                                                      Plant Mol.
23117147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Li,Y., Rosso,M.G., Strizhov,N., Viehoever,P. and Weisshaar,B. GABI-Kat SimpleSearch: a flanking sequence tag (FST) database
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AL760945.1 GI:21501350
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                                                                              Weisshaar, B.
                                                                                                       Strizhov, N., Li, Y.,
                                                                                                                                                                                                                                                                                             Weisshaar, B.
                                                                                                                                                                                                                                                                                                                        Rosso, M.G.,
                                                                                                                                                                                                                                                                                                                                                                                                                          Bioinformatics
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         149-156 (1997)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                identification of T-DNA insertion mutants in Arabidopsis
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/clone_lib="Sugano Homo sapiens cDNA library'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="mRNA"
/db_xref="taxon:9606"
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50
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87.5%;
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                                                                                                         Rosso, M.G.,
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                                                                                                       Viehoever, P., Dekker, K.A. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA
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                                                           from T-DNA
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AI766391/c
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43 bp mRNA linear EST 20-DEC-1999 wh61d04.x1 NCI CGAP Kidl1 Homo sapiens cDNA clone IMAGE:3385223 3' similar to SM:COX2 HUMAN P00403 CYTOCHROME C OXIDASE POLYPEPTIDE II
Insert Length: 641 Std Erro
Seg primer: -40UP from Gibco
High quality sequence stop: 1
                                                                                                                                                                                                                                                                                                 Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D.,
Emmert-Buck, M.D., Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 43)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
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                                                                                                                                  CDNA Library Preparation: M. Bento Soares, Ph.D. CDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                        Trace considered overall poor quality Insert Length: 641 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                            Tumor Gene Index
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;, mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   T-DNA derived sequences were removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="GK-204B10-014508"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
/ecotype="Col-0"
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/mol_type="genomic_DNA"
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/db_xref="taxon:3702"
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78.9%;
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Pred. No. 4.2e+05;
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                                                                                                                                                                                                                                                                                                                                   Michael R.
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quality sequence stop: 1

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FEATURES
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                  Query Match
Best Local S
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       source
  15,
                       Similarity
  Conservative
                                                                                                               /clone lib="NCI CGAP Kidl1"
/note="Organ: kidney; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site 1: Not 1; Site 2: Eco RI; plasmid DNA from the normalized library NCI CGAP Kid3 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1322376-132391, 1456007-1456775, and 1500552-1502855). Subtraction by Bento Soares and M. Fatima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2385223"
                                                                                                                                                                                                                                                                                                                                                           /lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                              organism="Homo sapiens"
                       60.0%;
78.9%;
0
                       Score 12.6; DB 1.
Pred. No. 4.2e+05.
    Mismatches
                                              DB 1;
    4.
                                              Length 43;
    Indels
    0
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